

ΕΦΗΜΕΡΙΣ:

OR, A

DIARY

{ ASTRONOMICAL,
ASTROLOGICAL,
METEOROLOGICAL, }

For the Year of our Lord, 1700.

Which is Bissextile with us, but omitted
In the ROMAN ACCOUNT.

Containing,

- I. The Planets Motions, Aspects, Eclipses, &c. Rising and Setting of the Sun and Moon, Terms, Twilight, Planetary-Hour, &c.
- II. The Times and Types of all visible Eclipses to us, for XXVII Years yet to come.
- III. Some Account of Solar Influence and Energy over all kinds of Bodies Sublunary.

By JOHN GADBERT,
Student in Astrologie and Physick.

Multi Multa sciunt, sed Nemo Omnia.

L O N D O N,

Printed by J. R. for the Company of STATIONERS,
1700.

To the Impartial Readers.

Gentlemen

BY God's great Mercy and Benignity we are come to the end of a disturbant mutable *Century*, and approaching another (we hope) more fix'd and tranquile. And, to support our humble Wishes, the Year 1700, comes attended with no unfriendly OMENS. *Viz.*

I. A pregnant *Truth* in respect of Coelestial Certainty, by an omission of the *Leap-day* in *February*, S. N. according to the Decree of P. *Grigory* 13. 1582.

II. A General *Jubilee* in most parts of *Christendom*.

Happy Age! that is usher'd in with an *Heavenly Verity*, accompany'd with *Peace on Earth*. Yea, more than thrice happy! might it also heal our too many Christian Divisions. Then should we never fear an advancement of the Half D above the *Cross*; or of any *Turkish Prophecy* taking place to the Injury of *Christians*: which yet the hungry *Mahometans* do greatly pride and please themselves with the hopes of, even about this very time.

Many Learned Persons have set up their Mark, at, or about this Year of 1700. *viz.* *Nostredamus*, Lord *Napier*, Mr. *Maxwel*, Mr. *Broughton*, A. B. *Usher*, B. *Stillingfleet*, Mr. *Sherwin*, Mr. *Beverly*, &c. is expecting therein somewhat more than ordinary. When so many Eminent *Men*, in several *Places*, and *Times* (and unknown to each other) shall providentially conspire in the Utterance of one and the same *Sentiment*, I cannot but believe, (tho' I am none of the most credulous, least I should imbibe an Enthusiasm for Propherick Verity) That the great Gubernator of all things (whose Conduit-pipes poor Mortals are) doth sometimes inspire *Men*, as his Heralds, to proclaim or sound forth his Divine Decree of somewhat to be effected for the Honour of his Name, among the Nations of the Earth: whose Inhabitants (without such Premonitions) are apt to forget God.

And, might I presume to parallel these Learned *Mens Conjectures* (for Prophecies I am loath to call them) with the state of the Heavens, — we know the Fiery-Trigon is now regnant: and that in short time after the entrance of 1700, there will be celebrated a famous *O b V* in *V*. — I say, in *V* the first and chief sign of the *Zodiack*. The *Sun's* Exaltation. *Mars* his Domal Dignity. Also Balsamick *Jupiter* hath an eminent share in the Triangle ennobled by this illustrious Congress. And Peace-making *Venus* rules the Term whereby 'tis bounded.

God

To the Impartial Readers.

God is wonderful in his Works, and ever to be adored. — But as for me (poor Dust and Ashes !) I am much fitter humbly to admire, than pursue so rich and dazzling a Theme! and therefore hold it both Prudence & Duty to stop my Pen as to that copious Subject.

One word or two of the ensuing sheets, and I have done. — Syth Variety is ever most apt to please ; — and that Cock and White-broth constantly fed on doth rather satiate, than satisfy the most curious Stomachs ; I have here omitted *Genethliacal Instances* : and substituted in their stead some useful Planetary Notions wrote by Mr. Ed. Gresham near an 100 Years since, but never Printed. — I have also inserted a Catalogue of all the visible *Eclipses* of both Luminaries which will happen in our Hemisphere for XXVII Years to come, which is design'd for the entertainment of Ingenious Minds.

Here is also added plain Rules whereby to find the time of the *Moons Rising and Setting* : as being constrain'd to leave out the Column thereof in the Calendar, to make room for (somewhat, by many thought more useful, I mean) the *Sun's Place* to Seconds.

Lastly, In the room of *Astral Prognostications*, [which of late Years have been, by some *Prognosers*, accompanied not only with *Scandals*, and egregious *Falshoods*, &c. but also with much *Immorality* and *Profaneness*, &c.] I have furnish'd my Readers with a brief Account of *Solar Dominion* over *Sublunary matter*. The Consideration whereof may lead them into a just and pious Contemplation of the Omniscience, Power, and Goodness of God, our All-Wise Creator. — Which we hope will prove of more worth, than a million of trifling and false-grounded *Predictions*.

The Heavenly Hermit, St. Anthony (as his Life records) being demanded in the Wilderness, *What Books he had for his Instruction?* shew'd the Heavens and the whole World, saying, *These are the Books which I daily contemplate!* The infinite Wisdom, Power and Goodness of God. The *Macrocosme* is a Library so large and various, that it requires more than *Methusalem's Age* to study it well. — *Verbum & opera Jeshuæ meditabor* ; was the Learned Hartgill's Motto. And I desire ever to make it mine. — To meditate on the Word, and Works of God, was Royal David's Delight ; and ought to be the Felicity of every good Christian. And, I resolve (*Deo adjuvante*) that unto this Point shall ever tend all the Astral Endeavours of —

(Gentlemen !)

Brick-Court, by the Deans-
Yard, Westminster.

Yours and *Uranian's* Votary,

JOHN GADBURY

A Perpetual TABLE of Break of Day, Twilight, Sun-rise
Sun-set, Length of Day and Night, &c. in the Latitude of Lona

Months.	Days	break of D.		Twilight.		Sun rise.		Sun set.		Leng. Day.		Leng. Night		Pl. H. by D.		Pl. H. by N.	
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
January	1	5	54	6	6	8	2	3	58	7	56	16	4	0	40	1	20
	11	5	42	6	18	7	49	4	11	8	22	15	38	0	42	1	18
	21	5	35	6	25	7	34	4	26	8	52	15	8	0	44	1	16
February	1	5	17	6	43	7	17	4	43	9	26	14	34	0	47	1	13
	11	5	07	7	06	59	5	10	2	13	58	0	50	1	50	1	10
	21	4	45	7	15	6	42	5	18	10	36	13	24	0	54	1	6
March	1	4	20	7	40	6	23	5	37	11	14	12	46	0	56	1	4
	11	3	59	8	16	0	6	0	12	0	12	0	1	0	1	0	0
	21	3	38	8	22	5	42	6	18	12	36	11	24	1	3	0	57
April	1	3	58	55	5	20	6	40	13	20	10	40	1	7	0	53	
	11	2	38	9	22	4	58	7	2	14	4	9	55	1	10	0	50
	21	2	29	58	4	40	7	20	14	40	9	20	1	13	0	47	
May	1	1	30	10	30	4	22	7	38	15	16	8	44	1	16	0	44
	11	0	30	11	30	4	4	7	56	15	42	8	18	1	18	0	42
	21	All	No	3	55	3	5	16	10	7	50	1	20	0	40		
June	1	day,	night	3	57	8	3	16	20	7	40	1	21	0	39		
	11	and	but	3	58	8	2	16	26	7	34	1	21	0	39		
	21	no	Twilight.	3	50	8	10	16	20	7	40	1	22	0	38		
July	1	night	light.	3	57	8	3	16	6	7	54	1	20	0	40		
	11	0	42	11	18	4	9	7	51	15	42	8	18	1	18	0	42
	21	1	22	10	38	4	21	7	39	15	18	8	42	1	16	0	44
August	1	2	00	10	00	4	39	7	21	14	42	9	18	1	14	0	46
	11	2	21	9	39	4	58	7	2	14	4	9	56	1	10	0	50
	21	3	09	0	5	16	6	44	13	28	10	32	1	7	0	53	
Septemb.	1	3	30	8	30	5	35	6	25	12	46	11	14	1	3	0	57
	11	3	59	8	15	58	6	2	12	0	12	0	1	0	1	0	0
	21	4	19	7	41	6	16	5	44	11	28	12	32	0	57	1	3
October	1	4	48	7	12	6	36	5	24	10	48	13	12	0	54	1	6
	11	5	07	7	06	56	5	4	10	8	13	52	0	50	1	10	
	21	5	18	6	42	7	15	4	45	9	30	14	30	0	47	1	13
November	1	5	37	6	23	7	34	4	26	8	52	15	8	0	44	1	16
	11	5	45	6	15	7	49	4	17	8	22	15	38	0	42	1	18
	21	5	54	6	6	8	13	55	7	58	16	2	0	40	1	20	
December	1	5	57	6	3	8	10	3	50	7	40	16	20	0	39	1	21
	11	6	0	6	0	8	13	3	47	7	34	16	26	0	38	1	25
	21	5	58	6	2	8	3	52	7	44	16	16	0	37	1	23	

Certain Days prefixed for all Sheriffs, Bayliffs of
 Liberties, and other Accomptants to come to their respective
 Accompts in the Exchequer.

London and Middlesex, Civ. Norwich. Civ. Eborac. Civ. Lincoln	} Craff. Michaclis	Surrey, Suffex, Oxon, Berks,	} Craff. Hillarii.
Rutland, Kingston super Hull, Civ. Cantuariensis,	} Oftab. Mich.	Norfolk, Suffolk, Hertford, Monmouth,	} Oftabis Hillarii.
Essex, Hertford, Centiar, Civ. Bristol,	} Quind. Mich.	Dorset, Somerfet, Villa Pool, Notsingham, Derby,	
Cant. Hunt. Wigorn. Civ. Wigorn. Stafford, Civ. Litchfield, Villa Southamp.	} Tres Michaclis.	York, Devon, Civ. Exon, Gloucester, Civ. Gloucester,	} Quindena Hillarii.
Wiles, Cornub. Salop,	} Mens. Mich.	Warwick, Leicester, Southampton,	} Craff. Purif.
Lincoln, Civ. Coventr. Villa Notting.	} Craff. Anim.	Northumberland, Cumberland, Westmorland, Lancaster, New-Castle,	} Quindena Pasche.
Northampton, Bedford, Buckingham,	} Craff. Mart.		

A Table of the TIMES and TYPES of all the Visible Eclipses for XXVII Years to come, beginning Anno 1700.

Anno Dom.	Character. Sign.	Degrees.	Month and Day.	Digits.	Type.	Anno Dom.	Character. Sign.	Degrees.	Month and Day.	Digits.	Type.
1700	D M 15		Feb. 22	20		1711	☉ S 22		July 4	9	
1701	D M 4		Feb. 11	5		1712	D S 3		Jan. 12	4	
1702	D S 12		Dec. 22	8		1713	D II 10		Nov. 20	6	
1703	D W 6		Jun. 17	17		1715	D S 18		Oct. 30	8	
	D S 1		Dec. 11	21		1717	D S 6		Mar. 15	7	
1704	D II 1		Nov. 20	7		1718	D X 17		Aug. 29	22	
1706	D III 7		Apr. 16	7		1719	D X 6		Aug. 18	5	
	☉ S 21		May 1	10		1721	☉ S 1		July 13	3	
	D V 28		Oct. 7	8		1722	D W 14		Jun. 17	14	
1707	D S 26		Apr. 5	21			☉ T 16		Nov. 27	6	
1708	☉ M 21		Sept. 3	4		1724	☉ S 2		May 11	7	
	D V 7		Sept. 13	13			D S 9		Oct. 20	7	
1709	☉ X 21		Feb. 28	3		1725	D V 28		Oct. 10	22	
1710	☾ S 25		Feb. 2	10		1726	☉ S 2		Sept. 14	7	
	☉ X 10		Feb. 17	7			D V 17		Sept. 29	6	

This TABLE needs no Explanation.

A TABLE of the *Moon* Shining and Southing, whereby may readily be found her Rising and Setting, &c.

Days.		H. M.		Days.		H. M.	
Days.		H.	M.	Days.		H.	M.
1	29	0	48	1	16	0	48
2	28	1	36	2	17	1	36
3	27	2	24	3	18	2	24
4	26	3	12	4	19	3	12
5	25	4	0	5	20	4	0
6	24	4	48	6	21	4	48
7	23	5	36	7	22	5	36
8	22	6	24	8	23	6	24
9	21	7	12	9	24	7	12
10	20	8	0	10	25	8	0
11	19	8	48	11	26	8	48
12	18	9	36	12	27	9	36
13	17	10	24	13	28	10	24
14	16	11	12	14	29	11	12
15	15	12	0	15	30	12	0

To find the *Moon* Southing.

If the *Moon* be increasing, (as she is for the first 15 days of her Age, then the Hours and Minutes against her Age, notes the time of her coming to the South, Afternoon. But if decreasing, (as she is the last 15 days of her Age) then the Hours and Minutes against her Age, shews the Time of her Southing in the Morning. This is so plain, it needs no Example.

To find when the *Moon* Rises.

For the *Moon*s Rising, observe whether she Increase or Decrease, at the Calendar Pages shew you. If she Increase, add the time of her Shining to that of the *Sun*s Rising, and that gives you the time of her Rising. But if she Decrease, subtract the time of her Shining from that of the *Sun*s Rising, and that produces the time of her Rising.

To find when the *Moon* Sets.

In the Increase, add the time of the *Moon*s Shining to that of the *Sun*s Setting, and that gives the time of her Setting. But in the Decrease, subtract the time of the *Moon*s Shining from that of *Sun* Setting; and to you have her Setting.

Note, If the Hours and Minutes of the *Sun*s Rising or Setting be less than the Hours and Minutes of the *Moon*s Shining, you must add 12 Hours thereto, and that gives you the time you enquire after. These Rules are so short and plain, there needs no Example. However, I'll give you one.

It's desired to know when the *Moon* Rises, January 1. day, 1700. By the Calendar I find the *Moon*s Age to be 21 Days, Decreasing: With which entering the first Column of this Table, against it in the second Col. I find the *Moon*s Shining to be 8 h. 12 min. which subtracted from 8 h. 2 min. (the time of *Sun* Rise that day as appears by the Table thereof) leaves the *Moon*s Rising, 0 h. 50 min. *mane*. Work for the same manner for her Setting, and you have your desire near enough to common Use, at any time; though not for preciseness, by reason of the *Moon*s Latitude, various Motion, &c.

January hath XXXI Days.

The *MAGI* by a *STAR* to * *Bethlehem* come, * *Jan. 6.*
 Bringing choice *Presents* to their New-born *SUN*.
 They offer *GOLD* unto him as a *King*!
 And, as a *Priest*, rich *Incense-Offering*.

That *Christians*, like them, may our *Lord* adore,
 With humble *Hearts* and *Minds* for evermore.

M.D.	W.D.	Saints days	☉	☿	♂	♀	☿	♂	☿	♂	☿	♂	Mutual A.	☿
		☿	d.	r.	h.	v.	☿	♀	☿	♂	d.	m.	pects, &c.	A.
1	a	Circumcision	21	27	7	0	13	29	6	1	12	48	Cloudy,	21
2	b	Oct. Steven.	22	28	22	0	13	m	7	0	25	53	☐ ♂ ♀.	22
3	c	Oct. Johan.	23	29	36	0	13	0	8	☿	8	m 41	△ h ♂.	23
4	d	Oct. Innoce.	24	30	49	0	13	1	10	29	21	13	windy,	24
5	e	Edward K.C.	25	32	0	0	14	1	11	27	3	7 34	♂ ☉ ♀.	25
6	f	Epiphany.	26	33	10	0	14	2	12	26	15	43	dark Sky.	26
7	g	1 p. Epiph.	27	34	19	1	14	2	13	25	27	47	Rain and	27
8	a	Erhardus, B.	28	35	28	1	14	2	15	24	9	☿ 42	great	28
9	b	Adrian. Ab.	29	36	36	1	15	3	16	22	21	34	Winds	29
10	c	Paulus Ere.	30	37	42	1	15	3	17	21	3	☿ 25	☾ Apogeo.	30
11	d	Hyginus, M.	1	38	47	1	15	4	18	20	15	13	are now	1
12	e	Satyrus, M.	2	39	53	1	15	4	20	19	27	5	stirring.	2
13	f	S. Hillary.	3	40	58	1	15	5	21	18	9	☿ 3	☾ cum ☿.	3
14	g	2 p. Epiph.	4	42	4	1	16	5	22	17	21	9	Foggs,	4
15	a	Maurit. Ab.	5	43	9	1	16	6	23	17	3	☿ 27	☐ ☉ ♂.	5
16	b	Marcell. P.	6	44	13	2	16	6	25	17	16	0	Frosty,	6
17	c	Antonius, A.	7	45	17	2	16	7	26	17	28	56	Misly,	7
18	d	S. Prisca, V.	8	46	19	2	17	7	27	17	12	14	☿ ☿ ♀.	8
19	e	Pontian. P.	9	47	20	2	17	8	28	17	25	59	☿.	9
20	f	Fab. & Seb. M.	10	48	17	2	17	8	☿	18	10	☐ 11	inclin'd	10
21	g	3 p. Epiph.	11	49	12	2	17	9	1	18	24	48	to Snow,	11
22	a	Vincent. B.	12	50	5	2	18	9	2	19	9	☿ 44	♂ h ♀.	12
23	b	Term begins	13	50	56	2	18	10	3	19	24	55	☾ Perigeo.	13
24	c	Fast.	14	51	4	3	18	10	5	20	10	☐ 4	or Rain.	14
25	d	Conc. S. Paul	15	52	36	3	18	10	6	20	25	9	Fair	15
26	e	Polycarp. B.	16	53	23	3	18	11	7	21	9	☿ 58	☾ cum ☿.	16
27	f	Chrysost. B.	17	54	8	3	19	11	8	22	24	26	again.	17
28	g	Septuages.	18	54	53	3	19	12	10	23	3	☐ 31	Windy	18
29	a	S. Gildas, Ab.	19	55	37	3	19	12	11	24	22	7	and wet	19
30	b	K. Charles, M.	20	56	20	2	19	13	12	25	5	m 16	△ ♂ ♀.	20
31	c	Nolascus, C.	21	57	1	3	19	13	13	26	18		sat the end.	21

January, 1700.

D. 8
ny
1 17
6 16
11 16
16 16
21 16
26 15

Last Quarter, ☾ 2 day, at 5 morning.
New Moon, ● 10 day, at 4 Morning.
First Quarter, ☽ 18 day, at 5 Morning.
Full Moon, ☾ 24 day, at 9 at Night.
Last Quarter, ☾ 31 day, at 7 Evening.
Moon in clear Night, may be seen South-West.

Roman Account.
English Account.

Lunar Aspects.

Observations.

☉	☿	♂	♀	♂	♀
1 11	☐	☐			
2 12	17 △	○	♂	☐	☐
3 13	7 *	*	6 22	7	
4 14	* ☐	8		*	
5 15	7 17			*	12
6 16				16	
7 17	*	*			
8 18	5 ♂	8			
9 19	9	☐	♂		
10 20	16	23	○		
11 21		5			
12 22	5	△	5		
13 23	17 *	13	*		
14 24	11		16		
15 25	*	☐			
16 26	3	23	*	☐	
17 27	☐ *	♂	17	1	
18 28	17 4 △	14	△		
19 29	☐ 7	☐	5		
20 30	△ 10		4		
21 31	2 △	△			
22	13 ♂	23 11	♂		
23	13		15		
24	3 ♂	☐			
25	4 9 ♂	1 ♂			
26	5 13	* 19	△		
27	6 15	2	20		
28	△				
29	8 20 △	18	☐		
30	9 20	♂	△	3	
31 10	☐	* 13 14	*		

Something touching the Planetary Bodies, from the Learned Mr. *Edw. Gresham*, wrote near an 100 Years since, but never printed.

I. That the Planets are Round, Solid, Indispahanous, Impure, Gross, and Material Bodies, (most of them *(propter D)* as great, or greater, than the Earth, and in all respects like unto it, freely moving without the Heavens, or Heavenly help.

Such is the insufficiency of Humane Reason, that nothing is in any measure known unto us but by way of Circumstance. For supply of which defect, we are forc'd to impose, not only Names and Notes for the several distinctions of Things, but also by comparative Reason of one thing with another, in Quantity, Quality and Position, to aim at the appearance thereof. In consideration of which necessity, I will content my self with the usual Nomenclature of this Subject. —

On 8 January 30. 1648. King Charles the 1. was barbarously Murther'd at his own Palace-Gate, by his own wicked Subjects.

Oh Pious Prince! 'twas Englands Sin, not Thine, Thus caus'd thee Change this Life for that Divine.

February, 1700.

New Moon, ● 8 day, at midnight.
 First Quarter ☾ 16 day, at 3 Afternoon.
 Full Moon, ● 23 day, at 7 morning.

Now expect Luxuriant Tides; not lessened by
 the ☿ ☽ ♀ in ♋.

D.	Ω
1	15
6	15
11	14
16	14
21	14
26	14

English Account.
 Roman Account.

Lunar Aspects.

Observations

	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1	11																								
2	12	*	5																						
3	13	23	*																						
4	14		17																						
5	15		♂	15	*																				
6	16		3		♂																				
7	17																								
8	18	♂	♂																						
9	19	12	19																						
10	20		*	20	♂																				
11	21		5		15	*																			
12	22																								
13	23	*	*	15																					
14	24	17	15	♂																					
15	25			23	16	*																			
16	26		22																						
17	27		3																						
18	28	♂	♂																						
19	29	10	2	♂	♂	♂																			
20	30			8	2	♂																			
21	31	3																							
22	1	♂	♂																						
23	2	19	5	♂	*																				
24	3			11	6	♂																			
25	4																								
26	5	♂	♂																						
27	6	11	*																						
28	7	10	10		20	16																			
29	8																								
30	9	20																							

To use then, the Antient Names,
 There be VII. movable Bodies among
 the infinite number of those visible
 Lamps in the Firmament, called *Planets*.
 Their Names, in some sort intimating
 their difference from the rest. So call'd,
 not that their Motion is at Random, or
 without proportion; for it is Regular:
 but, in regard of the singular liberty that
 is apparent in their proper Motions. For,
 whereas all the other vast number of
 Stars are fix'd in one Pavement (as it
 were) or Concameration, without any
 positive alteration: the other VII. have
 each a Firmament subordinate one with-
 in another, according to which privilege
 they discover great appearance of varie-
 ty. For, notwithstanding the regular
 Analogy of their Periods to their proper
 Orbs or Centers, their Revolutions are
 very Anomalous, and Appearances very
 Paralaetical. The regard whereof hath
 been the chiefest Reason for the Imposi-
 tion of their Names.

☞ On the 6th day, 1685. that most
 Excellent Monarch, King *Charles II.* left
 this Life for a better. — 'Tis observable,
 that a mighty Comet some time before
 came to give Notice thereof by Ringing
 of his Princely Knell.

English Account.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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M.D.	W.D.		☉	☿	♂	♀	♀	☾	♂
			d.	r.	"	h.	v.	m.	v.
1	D	S. David, B.	22	3	38	7	25	23	20
2	E	S. Chadd. B	23	3	19	7	26	23	21
3	F	S. Leut.	24	2	58	7	26	23	23
4	G	Lucius, P.M.	25	2	36	7	26	24	24
5	A	Victorin. B.	25	2	11	7	26	24	25
6	B	Fridolin. Ab.	27	1	44	8	26	24	26
7	C	Aquin. D.C.	28	1	15	8	26	24	27
8	D	Felix, E.M.	29	0	44	8	27	24	29
9	E	Alvered. Ab.	V	0	11	8	27	25	5
10	F	Mid-Leut	0	59	36	8	27	25	12
11	G	Oswin. K.M.	1	59	0	8	27	25	22
12	A	Gregory ma.	2	58	21	8	27	25	4
13	B	Wiganus, M	3	57	40	8	27	25	5
14	C	Theodore M.	4	56	57	9	28	25	6
15	D	Eufracius, M.	5	55	10	9	28	25	7
16	E	Adaman, Ab.	6	55	20	9	28	25	8
17	F	Paffion-Sun	7	54	30	9	28	25	10
18	G	Edwardus, K.	8	53	37	9	28	25	11
19	A	S. Joseph. C.	9	52	42	9	28	25	12
20	B	Cuthbert. B	10	51	45	9	28	26	13
21	C	Benedict. A.	11	50	47	9	29	26	14
22	D	Paulinus, B.	12	49	46	9	29	26	10
23	E	Pialas, &c M.	13	48	43	10	29	26	17
24	F	Palm-Sund	14	47	38	10	29	26	18
25	G	Antono. B.V	15	46	29	10	29	26	19
26	A	Castorius, M.	16	45	19	10	29	25	20
27	B	Martian. M	17	44	6	10	29	25	22
28	C	Sund-Ph	18	42	51	10	29	25	23
29	D	Good Frid	19	41	33	10	29	25	24
30	E	Pattonus, B	20	40	13	10	29	25	25
			21	38	52	10	29	25	26

☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾	♂	♀	☾</
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March, 1700.

D.	St
1	13
6	13
11	13
16	13
21	12
26	12

Last Quarter, 1 day, near Noon.
 New Moon, 9 day, at 5 Afternoon.
 First Quarter, 17 day, at 11 at Night.
 Full Moon, 23 day, at 5 Afternoon.
 Last Quarter, 31 day, at 5 Afternoon.
 Four Planets Oriental bode a forward Spring.

Romish Account.
 English Account.

Lunar Aspects.

Observations.

☉	♂	♂	♀	♀
1 12	☐			Δ
2 13	○	*		*
3 14	*	♂	*	☐ 15
4 15	18	20	16	15
5 16			☐	*
6 17		♂	6	11
7 18		9	*	Δ
8 19		♂	22	18
9 20	♂	5		
10 21			☐	♂
11 22		*	7	18
12 23		3	Δ	♂
13 24		*	☐	14
14 25	*	♂	9	*
15 26	3	9		○
16 27	☐	Δ		*
17 28	11	13	♂	Δ
18 29	Δ	23	18	☐
19 30	18		☐	22
20 31	♂		20	○
21	19	*	Δ	
22		Δ	22	4
23	♂		4	♂
24	5	☐		12
25	Δ	7		♂
26	1	2	*	♂
27		☐	14	♂
28	Δ	10		
29	3	*		
30	21			
31	☐	♂	*	Δ

—But of their real Entity, what it is, hath not fully or reasonably been determin'd. For most *Philosophers* and *Divines* have Opinion'd, That the Stars are of the same Matter that their Heaven is off: or more properly, *Densior pars sui Orbis*; the thicker part of his Orb. But, how vain and senseless that Opinion is, I have elsewhere demonstrated. And, to give you some taste thereof, consider, whether such a Tartar-like agglomeration, or fœculent residence from a convex'd Sphere, (for *intra Orbem*, it may be, *ex hypothesi*) can accrew into such a Form as an Orbicular or Pillalar Mass, (such as the Planetary Bodies are) and occupy not rather the Center of the Sphere, than the Circumference. Equal Confluence requires equal Distance; and equal Distance no where, but in, and to the Center: and Central adherence admitteth not Motion in Longitude. *Ergo*, no Central Conflux.

On the 5th day, Anno 1648. the three most Noble Lords, viz. Duke Hamilton, Earl of Holland, and Lord Capel were (for their Loyalty to their Sovereign) beheaded. — The Cause Glorious. Their Punishment most Barbarous.

April hath XXX Days.

The Evangelist Saint **MARK**, his Gospel pen'd
From pious **PETER**'s Mouth : (the Churches Friend.)
To whom he was Disciple, and ally'd :
Who to *Christ's Flock* prov'd a most faithful Guide.
CYPRUS retains his Honour ! **VENICE** can't
Subsist without him. He's her Titular Saint.

M.D.	W.D.	Day	d.	r.	h.	☿	♂	♀	☿	♀	d.	m.	Notes	M.D.
1	U	Agelbert. B.	22	37	30	10	0	25	28	9	5	13	* h ♀.	23
2	a	Mary in Egy.	23	36	7	11	c	25	29	11	17	2	☾ Apogeo.	24
3	U	Richardus, B.	24	34	40	11	c	25	II	13	28	55	Δ ♀.	25
4	c	Ambros. B.D.	25	33	11	11	c	25	1	14	11	1	☾ cum ☿.	26
5	d	Vincent. B.	26	31	40	11	c	24		2	16	23	Pleasant	27
6	e	Elstannus, B.	27	30	8	11	c	24		4	17	5	☿ 58 Spring-	28
		Low Sun	28	28	32	11	c	24		5	18	18	53 like Air.	29
8	g	Dionysi. Ab.	29	26	55	11	1	24		6	20	2	☿ 3 Some wet.	
9	a	Frichstan. B.	☿	25	17	11	1	24		7	21	15	28 ☐ ☉ ♀.	1
10	b	Paternus, M.	1	23	38	11	1	23		8	22	29	1 Windy,	2
11	c	Leo, I. Papa.	2	21	55	11	1	23		9	23	12	II 45 ♂ ♀.	3
12	d	Mathilda, V.	3	20	11	12	1	23		11	23	26	33 ☐ h ♀.	4
13	e	Elifleda, V.	4	18	23	12	1	23		12	24	10	26 Snow	5
		S. Easter	5	16	34	12	1	22		13	25	24	27 or Sleer,	6
15	g	Olympia, V.	6	14	43	12	1	22		14	25	8	☿ 28 with Hail.	
16	a	Tr. Alban. M.	7	12	51	12	1	22		15	26	22	37 ☾ Perigeo.	8
17	b	Term begins	8	10	56	12	1	22		16	26	6	☿ 49 ☾ cum ☿.	9
18	c	Elutheri. M.	9	9	1	12	1	21		18	26	21	4 Apt to	10
19	d	Alphegus, B.	10	7	2	12	1	21		19	27	5	☿ 16 Frosts	11
20	e	Ceadwal. K.	11	5	2	12	2	21		20	27	19	21 these	12
		S. Easter	12	3	1	12	2	20		21	R	3	III 13 * ☉ h.	13
22	g	Bothe. &c. M.	13	0	59	12	2	20		22	27	16	49 Days.	
23	a	S. George, M.	13	58	55	12	2	20		23	27	0	☿ 4 Turbulent	15
24	b	S. Peter	14	56	48	13	2	19		25	26	12	57 Weather	16
25	c	S. Mark	15	54	41	13	2	19		26	26	25	27 near at	17
26	d	S. Cler. P.M.	16	52	30	13	2	19		27	25	7	☿ 39 hand,	18
27	e	Anastafius, B.	17	50	18	13	2	18		28	25	19	35 ☉ ☿.	19
		S. Peter	18	48	4	13	2	18		29	25	1	☿ 23 perhaps	20
29	g	Paulus, B.M.	19	45	48	13	2	17		30	24	13	8 Thunder.	21
30	a	Car. de Siena.	20	43	31	13	2	17		1	24	24	55 ☾ Apog.	

April, 1700:

D.	ng
1	12
6	12
11	11
16	11
21	11
26	11

New Moon, 8 day, at 7 morning.
 First Quarter, 15 day, at 6 morning.
 Full Moon, 22 day, at 7 morning.
 Last Quarter, 30 day, at 3 morning.

Verities in human Signs, Bode Good to Mankind.

Lunar Affections

Observations

Roman Account
 English Account.

○	h	*	o	4	4
112			o		△
213	*			□	
314	13			15	□
415	23			1	*
516		*	△	*	7
617			13	215	
718			□		
819	19	*	21		
920			16	o	3
1021		□	△	14	
1122		20	2	16	
1223	*				
1324	11	△		△	*
1425		□	o	o	18
1526	18		11	□	*
1627				20	8
1728	△	o		*	□
1829	1	7	△	23	16
1930			17		8
20			□	△	
21		o	△	21	1
22	3	19	16	o	o
23	4		□	*	6
24		23	3		18
25	6			o	
26		△	*	*	o
27	8	20	9	21	△
28			o		11
29	10		□		□
30	11	15		8	△
31				21	

—And, if the Stars possess the Circumference (as for Provection is necessary) how then can they be Spherical or Globous? having neither confluent distance, nor yet admitted to expatiate their Orbs, for fear of Orbical Penetration. The one of which, Necessity and their own Position presupposeth; and the other too absurd to be admitted. Both which either or neither denyed, or granted, (*invita Minerva*) infers like Parallelity of Inconvenience. But, how vain the fear of Orbical Penetration is, the Insequence of this Discourse shall fully prove. Mean time, let this small excursion induce every one to believe, (as greater Reasons have occasion'd me to define) That the *Planets* are Round, Solid Bodies, Indisaphanous, and void of all Light: Fram'd, Form'd and Dispos'd by the Hand of the External-Sapient-Architect, for the use of contemplative Creatures; freely moving in Space, without Heaven, or the Heaven's Help.

On the 19th day, Jan 1655. the Noble and Fruitful Island of *Jamaica* was Taken by the Valorous *English*. And Major General *HATMERS* lost his Life in the Storming of *Sagalla Jago*, the chief City thereof.

May hath XXXI Days.

The *Holy Ghost* who shews the *CHURCH* her way, *29. May. Writ
Appoints no *Saint* its *OFFICE* on this * Day: ten by the No

Yet, by *Divine Foresight* reserv'd a Room
To be supply'd by *One* that was to come.

* 29. May. Written by the Noble Lady, E.W.
Anno 1661.

Which here's fulfill'd! and now the thankful **Earth**,
Does keep it **HOLY** for King **CHARLES** his Birth.

M.D.	W.D.		d.	r	"	*	☿	♂	♀	♀	♀	d.	m.		☾
1	b		21	41	13	13	2	17	3	23	6	* 40	D cum ☿.	23	
2	t	Athanasius, B.	22	38	55	13	2	16	4	23	18	58	♂ ☉ ♀.	24	
3	d		23	36	37	13	2	16	5	22	1	V 23	Windy,	25	
4	e	Echelred. K.	24	34	13	13	2	16	6	22	14	10	some	26	
5	f	Rogation	25	31	51	13	2	15	7	21	27	19	moisture.	27	
6	g	Jo. Port.Lat.	26	29	27	13	2	15	8	20	10	♂ 29	Pleasant.	28	
7	a	Juvenal, M.	27	27	1	13	2	15	9	20	24	38	Rain	29	
8	h	Stanislaus, B.	28	24	34	13	R	14	10	19	8	.II 38	or Hail.	30	
9	i	Holy-Thurf.	29	22	7	14	2	14	12	9	22	43	♂ ♂ ♀.	31	
10	d	Gothard. M.	II 19	38	14	2	14	13	19	7	☿ 2	Δ h ♂.	4		
11	e	Mamertius, B	I 17	7	14	2	13	14	18	21	14	Δ ♂ ♀.	5		
12	f	p. Easter.	2	14	35	14	2	13	15	18	5	Ω 23	Δ ☉ ♀.	6	
13	g	Term ends.	3	12	2	14	2	13	16	18	19	26) Perigeo.	7	
14	a	Boniface, B.	4	9	27	14	2	12	17	18	3	W 26) cum Ω.	8	
15	h	Dympna, V.	5	6	51	14	2	12	18	D	17	19	* ♂ ♀.	9	
16	c	Ubalduſus, B.C	6	4	14	14	2	12	19	18	1	≡ 9	Froſty	10	
17	d	Tr. Bernard.	7	1	36	14	2	13	20	18	14	54	Mornings	11	
18	e	Venantius, M	7	58	55	14	2	11	21	18	28	33	and Nights.	12	
19	f	Pentecoſt.	8	56	16	14	2	11	23	18	12	m 1	Overcaſt,	13	
20	g	Whit-Mond.	9	53	35	14	2	11	24	19	25	17	Cloudy,	14	
21	a	Whit-Tueſ.	10	50	53	14	2	11	25	19	8	† 15	bringing	15	
22	b	Ember-wee.	11	48	10	14	2	11	26	20	20	59	Winds and	16	
23	c	Deſideriuſus, B	12	45	27	14	2	10	27	20	3	W 24	Rain.	17	
24	d	Ember-dry.	13	42	43	14	2	10	28	21	15	33	□ ☉ h.	18	
25	e	Ember-day.	14	39	58	14	2	10	29	22	27	29	Fair and	19	
26	f	Trinity-Sun.	15	37	10	14	2	10	30	23	9	≈ 19	pleaſant	20	
27	g	Beda Venera	16	34	22	1-	2	10	1	23	21	3	♂ ♀ ♀.	21	
28	a	S. Jonas, Ab.	17	31	34	14	2	10	2	24	2	* 49) cum ☿.	22	
29	h	S. Chriſt. P.N.	18	28	45	14	2	9	3	25	14	44) Apogeo.	23	
30	i	Corpus Ch.	19	25	56	14	2	9	4	26	26	51	at the	24	
31	d	Term begins	20	23	7	14	2	9	5	27	9	V 16	end.	25	

7	10
14	10
21	10
29	9
21	9
26	9

7 day, at 6 Afternoon.
 14 day, at 11 Before-noon.
 21 day, at 5 Afternoon.
 29 day, at 7 Evening.

Roman Account.
 English Account.

English Account.	Roman Account.	☉	♂	♀	♂	♀	♂	♀
1	12	♂	♂	♂	♂	♂	♂	♂
2	13	*	12	19	*	6		
3	14	7	*	1	♂	7		
4	15		♂	9	*	20	♂	
6	17	*	5	♂	8	17		
7	18	♂	6	♂	13			
8	19	♂	9					
9	20		♂	♂	♂	♂	*	
10	21	♂	10	♂	10	♂	18	
11	22	*	17	♂	♂	♂	19	
13	24	♂	♂	♂	♂	♂	♂	
14	25	♂	♂	♂	♂	♂	♂	
15	26	♂	♂	♂	♂	♂	♂	
16	27	♂	♂	♂	♂	♂	♂	
17	28	♂	♂	♂	♂	♂	♂	
18	29	♂	♂	♂	♂	♂	♂	
20	31	♂	♂	♂	♂	♂	♂	
21		♂	♂	♂	♂	♂	♂	
22		♂	♂	♂	♂	♂	♂	
23	3	♂	♂	♂	♂	♂	♂	
24	4	♂	♂	♂	♂	♂	♂	
25	5	♂	♂	♂	♂	♂	♂	
27	7	♂	♂	♂	♂	♂	♂	
28	8	♂	♂	♂	♂	♂	♂	
29	9	♂	♂	♂	♂	♂	♂	
30	10	♂	♂	♂	♂	♂	♂	
31	11	♂	♂	♂	♂	♂	♂	

—Every Planet of such a System, as
 affordeth materiality, subsistency, and
 composition of Generable Creatures,
 being most of them greater by many
 degrees than this Orb we inhabit, and
 few of them lesser : their difference
 from the innumerable multitude of fix'd
 Stars is very small, except in the liberty
 of Motion, and Corporal appearance as
 before said. For some of them seem
 greater than some of the fixed Stars ;
 as *Jupiter*, *Venus*, *Luna*, &c. and *Mars*
 sometimes, especially when in *Petigao*.
 For, at such a time I have observed him
 to equalize *Jupiter* in magnitude, and
 suit him in colour. His Redness being
 nothing else but an apparent Lustre ac-
 quired by his greater Elongation, and
 deeper Immersion in Airy Crassitude.

On the 20th day, April 1766, King
 Charles the III. was born. and on the
 same day, April 1766, (aged a 21
 years, Bacchus, &c.) King of Trium-
 phantly to his royal Throne, and Go-
 vernment of the Three Kingdoms.

* June 11th.

His *Name* speaks CONSOLATION ! but much more
His Preaching CHRIST unto both Rich and Poor.

With Great Saint *PAUL* He travell'd many *Stages*,
Whose *ACTS* and *ENDS* extend unto All *Ages*.

M.D.	W.D.		d.	r.	rr	h	z	m	n	o	p	D.	M.	(A.)
1	e	Pamphil. M.	21	20	17	14	I	9	6	28	22	6	Curious	26
			22	17	26	14	I	9	7	29	5	♂ 20	Weather,	27
3	B	Crotildes, M.	23	14	34	14	I	9	8	II	18	57	△ ♀ ♀.	28
4	a	Quirinus, M.	24	11	42	14	I	9	9	2	3	II	2 □ ♂ ♀.	29
5	b	Boniface, B.	25	8	50	14	I	9	10	4	17	24	Winds	●
6	c	Norbertus, B.	26	5	58	14	I	D	11	5	1	58	♂ Dir.	1
7	d	Paulus, B. M.	27	3	6	14	I	9	12	6	16	40	& gentle	2
8	e	Medardus, B.	28	0	13	15	I	9	13	8	1	Ω 18	Showers.	3
			28	57	20	15	I	9	14	9	15	51	Pleasant.	4
10	f	Onuphrius, B.	29	54	26	15	0	9	15	11	0	11	10 D cum Ω.	5
11	a		3	51	31	15	0	5	16	13	14	15	☾ Perig.	6
12	b	Basilides, B.	1	48	36	15	0	5	17	14	28	7	□ h ♀.	
13	c	Antonius, Ab.	2	45	41	15	0	5	18	16	11	46	Winds	8
14	d	Basil. magn.	3	42	46	15	0	10	19	18	25	11	stirring,	9
15	e	S. Vicus &c.M	4	39	50	15	0	10	20	20	8	m 27	* ♀ ♀.	10
			5	36	54	15	0	10	21	22	21	29	but not	11
17	f	Eotolphus, A.	6	33	58	15	0	10	22	24	4	21	hurtful.	12
18	a	Marcus &c.M	7	31	1	15	0	10	23	26	16	59	Some wet	13
19	b		8	28	4	15	0	10	24	28	29	27	about	14
20	c	Tr. Edw. K.	9	25	8	15	0	10	25	30	11	41	this time.	
21	d	Walburga, V.	10	22	12	14	29	11	26	2	23	44	△ ☉ ♂.	16
22	e	S. Alban. M.	11	19	17	14	29	11	26	4	5	36	Moderate,	17
			12	16	23	14	29	11	27	6	17	25	pleasant.	18
24	f		13	13	26	14	29	11	28	8	29	13	D cum ♀	19
25	a	Amphibal. M.	14	10	35	14	29	11	29	10	11	×	1 △ ☉ h	20
26	b	Jo.&Paul, M.	15	7	41	14	29	12	1	13	22	55	△ ♂ ♀.	21
27	c	Levinus, B.M.	16	4	48	14	29	12	1	15	5	γ	3 △ h ♀.	22
28	d	Leo II. Papa.	17	1	55	14	28	12	2	17	17	26	♂ ☉ ♀.	
29	e		17	59	2	14	28	13	2	19	0	♂ 12	Wer, and	24
			18	56	5	14	28	13	3	21	13	22	windy.	25

English Account.

1
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June, 1700.

D.	Q.
1	9
6	8
11	8
16	8
21	8
26	7

New Moon, 6 day, at 2 Morning.
 First Quarter, 12 day, at 5 Afternoon.
 Full Moon, 20 day, at 6 Morning.
 Last Quarter, 28 day, at 10 morning.

In clear Nights δ may be seen Eastward.

Roman Account.
 English Account.

☉	♈	♉	♊	♋	♌
1	12	*	☐		
2	1	*	17	♏	☐
3	14	16	Δ	8	4
4	15	☐	21	*	♏
5	16	♏	19		12
6	17	14	Δ	Δ	
7	18	21	♏	12	
8	19		23	☐	♏ *
9		*		12	20
10	21	22	♏	*	☐
11	22	23		13	19
12	23	☐	Δ		
13	24	5	2	*	Δ
14	25	Δ	☐	10	7
15	26	15	Δ	7	♏
16		10	*	1	22
17	28	☐	14		
18	29	18		Δ	♏
19	30	♏		*	11
20		18	*	21	19
21		5	♏		
22	3		10	☐	
23				9	♏
24	5			21	Δ
25	6	Δ	♏	Δ	19
26	7	5	6	*	0
27	8	☐	10		☐
28	9	22	☐		22
29	10		20	Δ	
30		*		23	4
31		*			*

Observations.

—And this may also be the reason of the like Colour in the Planet *Mercury*, for his similar distance from us, as their conferr'd Parallax shews, double very near to that of the *Sun*, as shall in time, (if God grant leave and means,) be most fully made good, beyond what hath been therein yet experimented. Albeit they may be discern'd by some other Note from the rest of the Stars; and that is, their stability and ejaculation of Beams. For, all the Planets or Erratick Stars flame out every way like to a round Lamp, and without trembling; but the fix'd Stars (like to so many Diamonds) never cease twinkling and sparkling (as it were) in the Firmament.

On June the 11, 22 and 24 days, Anno 1666, were related to many bloody Engagements between the English and Dutch Fleets; wherein many Gallant Men on both sides were slain. And the English, in conclusion, came off Victors.

The sacred VIRGIN, Saint ELIZABETH

Saint *MARGARET*, on the Twenty'th *Crucify'd*;

To shew her Zeal, she for her SAVIOUR dy'd,

As he before for her. — Just Gratitude!

Can neither *Tortures*, or Grim *Death* elude:

M.D.	W.D.		d.	r.	n.	x	y	m.	w.	d.	m.		A.
1	C	Romwald. A.	19	53	16	14	28	13	4	23	27	0 Fair and	26
2	B		20	50	24	14	28	13	5	26	11 II	5 warm.	27
3	D	Hyacinth: M.	21	47	33	14	28	14	5	28	25 34	♂ ♀ ♂.	28
4	C	Eliz. Q. Port.	22	44	42	14	28	14	6	Ω	10 Ω 22	Δ h δ.	29
5	D	Anselmus, B.	23	41	52	14	28	14	7	2	25 20	Rain and	30
6	E	Sexburga, Q.	24	39	2	14	28	15	8	4	10 Ω 23	Winds,	2
			25	36	13	14	27	15	8	6	25 18	D cum Ω.	3
8	G		26	33	24	14	27	15	9	8	10 m 1	♂ ⊙ ♀.	4
9	H	Ethelbur. Qu.	27	30	36	14	27	16	10	10	24 25	D Perigee.	5
10	B	Ruffin & c. M.	28	27	49	14	27	16	10	12	8 = 30	Like to	6
11	C	Pius, Papa.	29	25	2	14	27	17	11	14	22 10	Thunder	7
12	D	Gaulbert, P.	Ω	22	16	14	27	17	12	16	5 m 32	in some	8
13	E	Anacletus, P.	1	19	30	14	27	17	12	17	18 34	□ ♂ ♀.	9
			2	16	45	14	26	18	13	19	1 ‡ 20	places.	10
15	G		3	14	1	14	26	18	13	21	13 52	Windy,	11
16	A	Osmundus, B.	4	11	16	14	26	19	14	23	26 12	♂ h ♀.	12
17	B	Alexius, C.	5	8	33	14	26	19	14	24	8 v 22	cool	13
18	C	Simphor. M.	6	5	52	14	26	19	15	26	20 24	Dog-days,	14
19	D	Diamanus, M.	7	3	12	14	26	20	15	28	2 ≈ 18	and some	15
20	E		8	0	32	13	26	20	15	29	14 9	Rain.	16
			8	57	55	13	26	21	16	31	25 57	D Apogee.	17
22	G		9	55	19	13	25	21	16	2	7 X 46	D cum Ω	18
23	A	Apollinar. M.	10	52	45	13	25	22	16	4	19 48	Warm	19
24	B		11	50	12	13	25	22	17	6	1 V 41	toward	20
25	C		12	47	41	13	25	23	17	7	13 50	the end;	21
26	D	Anna, M. V.	13	45	12	13	25	23	17	8	26 14	possibly	22
27	E	Sept. Dorm.	14	42	44	13	25	24	17	9	3 56	Thunder,	23
			15	40	17	13	25	24	17	11	22 1	& blustering	24
25	F	Martha, V.	16	37	51	13	25	25	18	12	5 II 25	* ♀ ♂.	25
26	G	Abdo. & c. M.	17	35	26	13	25	25	18	13	19 24	♂ h ♀.	26
27	B	Ignat. Lovol.	18	22	1	13	24	26	18	14	2 46	Air.	27

D.	8 th
1	7
6	7
11	7
16	6
21	6
26	6

5 day, at 5 morning.
 12 day, at 1 morning.
 19 day, at 9 Evening.
 27 day, at 10 at Night.

English Account.
 Roman Account.

	⊙	♂	♀	♂	♀
1 12		△		□	*
2 13	□	2		13	
3 14	6			*	
4 15	♂	△	△	18	
5 16	22	7	♂	7	♂
6 17		4	□	13	
7 18			8	♂	
8 19	♂		*	22	
9 20	*	7	△	9	
10 21	5	4		*	
11 22	□	□		6	
12 23	13	△	7	♂	*
13 24	△	14	*	20	10
14 25	23	□	14		□
15 26		23		21	△
16 27				15	
17 28	*		*	△	
18 29		♂	21	10	
19 30	♂	10			
20 31	5		□		
21			11	♂	9
22	♂			♂	
23		9	*	△	16
24	4	△	10	3	
25	5	20	□		
26	6		20		
27	7	□	*	△	△
28		10	7	♂	15
29	9	*	□	4	3
30	10	20	13		21
31	11	△		*	*

For proof of this certain Truth we need go no further than the Evidence of our Eyes; all of them imitating equal rotundity, as the aptest form and figure for their System, as well for equal Illumination, and admission of Heat from a Central Irradiator and universal Incensor, as for the communicability thereof by refraction mutual one to the other. The which things are both of them necessary, as shall more fully appear hereafter.

August hath XXXI Days.

Mount **TABOR** on the *Sixth Day* honour'd was,
With **Christ's TRANSFIGURATION**, Glorious.
Saint **LAWRENCE** on the *Tenth Day's* *broyl'd to Death*:
Resigning both his *Deaconship* and *Breath*.

Saint * **BARTHOLOMEW** (true Nephew to a King)
Gain'd *Haven* by his *Earthy Suffering*. * 24th day.

M.D.	W.D.	19	30	37	13	24	26	18	16	18	30	Gentle	28
2	Inv. Steven.	20	28	16	13	24	27	R	17	3	31	♂ ♀ ♀.	29
3	Domitius, M.	21	25	57	13	24	27	18	18	18	41		
4		22	23	38	13	24	28	17	19	3	51	☾ cum ☽.	2
5	Festum Niv.	23	21	20	12	24	28	17	20	18	52	☾ Perigaeo.	3
6		24	19	2	12	24	29	17	22	3	34	showers,	4
7	Donatus, B.	25	16	47	12	24	29	17	23	17	56	and winds.	5
8	Cyriacus, B.	26	14	33	12	24	7	17	24	1	48	△ ♀ ♀.	6
9	Romanus, M.	27	12	20	12	24	6	16	25	15	15	Pleasant	7
10		28	10	10	12	24	1	16	25	28	16	good Air.	
11		29	8	1	12	23	2	16	26	10	57	Now apt	9
12	S. Clara, Vir.	☾	5	54	12	23	2	15	27	23	19	to Winds	10
13	Hippolitus, M.	1	3	48	12	23	3	15	28	5	☾	28 and Rain.	11
14	Eusebius, B.	2	1	43	12	23	3	14	28	17	26	Frosty	12
15		2	59	40	12	23	4	14	29	19	18	mornings	13
16	S. Rochus, M.	3	57	37	12	23	4	1	☾	11	☾	& nights.	14
17	Agapitus, M.	4	55	40	12	23	5	13	☾	22	56	☐ ☉ ♂.	15
18		5	53	42	12	23	6	12	1	4	47		
19	Sebaldus, B.	6	51	46	11	23	6	11	1	16	53	☉ ☿ ♀.	17
20	Bernard. Ab.	7	49	53	11	23	7	11	1	28	45	Turbulent	18
21	Richardus, B.	8	48	2	11	23	7	10	1	10	53	winds and	19
22	Timotheus B.	9	46	13	11	23	8	10	R	23	13	♂ ☉ ♀.	20
23		10	44	27	11	23	9	9	1	15	42	☉ ☿ ☿.	21
24		11	42	43	11	23	9	8	1	18	26	☐ ♂ ♀.	22
25		12	41	☉	11	23	10	8	1	1	27	Rain,	23
26	Zepho in. P.	13	39	12	11	23	10	7	0	14	48	☐ ☿ ♂.	
27		14	37	42	11	23	11	7	0	28	30	with some	25
28	Augusti. B.C.	15	36	6	11	23	11	6	2	12	36	unkind	26
29		16	34	28	11	23	12	6	2	27	4	Blires	27
30	Augusti. B.C.	17	32	50	11	23	12	5	2	11	53	and Mil-	28
31	Johnus, B.	18	31	54	11	23	13	5	2	26	50	dews.	29

August, 1700.

New Moon. ● 3 day, at 5 Afternoon.
 First Quarter. ○ 10 day, at 11 Before-noon.
 Full Moon. ● 18 day, at 1 Afternoon.
 Last Quarter. ○ 26 day, at 9 morning.

Side Earthquake brings turbulences.

D.	☾
1	5
6	5
11	5
16	5
21	4
26	4

English Account.

Roman Account.

☉	☿	♂	♀	♂	♀
1 12		♂	Δ		*
2 13		10	13		
3 14	♂		□		
4 15	♂	15	♂		
5 16	14	Δ	*	22	♂
6 17		9	16		3
7 18	*	□			
8 19	13	Δ	10		
9 20	□	18	*	*	*
10 21	23	15	♂	1	18
11 22	□		4	□	
12 23	Δ	1		8	□
13 24	13	*		Δ	6
14 25	12	♂	17	Δ	
15 26		10	*	22	
16 27			8		
17 28	♂	♂	□	♂	
18 29	1	12	*	○	13
19 30			11	Δ	♂
20 31			□	15	4
21			22		
22	3	Δ	*		Δ
23	4	9	7	Δ	5
24	□	□	6	♂	□
25	6	21	16	14	10
26	7		Δ		*
27	8	*	20	♂	13
28	5		15		*
29	10			Δ	3
30	11			♂	

Observations

That the Planets are Massy and Indiaphanous.

That the Planets are Massy, Solid and Indiaphanous, the *Moons* body as nearest us, shall be our first document. For in the Solar Eclipse, (which is nothing but the *Moons* body interpos'd between us and the *Sun*) we see the *Moon* fully and absolutely to obscure so much of the *Solar* body from us as she covereth, without any appearance of the *Sun* thorow her body at all: Which he would be seen to do (his great penetration of Heat and Light consider'd) if the *Moons* body were not meerly Solid, Grofs, and altogether Non-Transparent. And in a total Eclipse, the *Sun* is so far from appearing through the *Mions* body, that a portion of the *Earth* is as utterly deprived of Day-Light, as is our Common Night.

On the 29. of May 1649. those two most Loyal and Valiant Gentlemen, viz Sir CH. L. and Sir J. B. were shot at Down, for the Murder of C. J.

'Tis through GODS * STRENGTH we warlike Lusts subdue

* Michael signifies God's Strength.

M.D.	W.D.	d.	h.	v.	♂	♀	♀	D	m	(A.)
		19 29 55	10	22	14	4	26	12	1	D Perigaeo.
2	Y	Adaman. Ab.	20	28	28	10	22	15	4	25 27 6 stormy
3	a	Theodore, M.	21	27	4	10	22	15	3	24 11 = 57 Δ ⊙ ♀.
4	U	Fr. Cuthb. B.	22	25	41	10	22	16	3	23 26 27 ♂ ⊙ ♀.
5	C	Victorin. M.	23	24	20	10	22	17	2	22 10 m 32 Δ ♀ ♀.
6	Q	Magnus, Ab.	24	23	1	10	22	17	2	21 24 7 weather
7	E	Tr. Dunsta. B.	25	21	45	10	22	18	2	20 7 14 about
		26 20 30	10	22	19	2	19	19	54	□ ♂ ♀.
9	E	Gorgonius, M.	27	19	17	10	22	19	2	18 2 15 this time
10	a	Nicholous, C.	28	18	6	10	22	20	2	18 14 19 prevails.
11	U	Protus, &c. M.	29	16	57	10	22	21	1	17 26 13 Pleasant
12	C	Eanswida, V.	30	15	51	10	22	21	1	17 7 55 Sweet
13	Q	Amantius, M.	1	14	48	10	22	22	D.	17 19 45 Air.
14	E		2	13	47	9	22	23	1	D. 1 35 cum V.
		3 12 49	9	22	23	2	17	13	30	D Apogeo.
16	Y	Cornelius, P.	4	11	51	9	22	24	2	17 25 33 Chang'd
17	a	Lampert. M.	5	10	55	9	22	25	2	18 7 47 to wet &
18	h		6	10	1	9	22	25	2	19 20 11 windy.
19	C	Janua. &c. M.	7	9	9	9	22	25	2	19 2 46 Good
20	Q		8	8	19	9	22	27	3	20 15 31 Air at
21	E		9	7	31	9	22	27	2	21 28 26 chis
		10 6 46	9	22	28	3	22	11	11	34 time.
23	T	S Tecla V. M.	11	6	3	9	22	29	4	24 24 54 Δ ♀ ♀.
24	a	Winibal. Ab.	12	5	23	9	22	29	4	25 8 30 misty.
25	U	Geolfred, Ab.	13	4	45	9	22	29	4	27 22 22 Overcast
26	C	Cyprian. M.	14	4	11	9	22	1	5	28 32 for more
27	Q	Col. & Dam. V.	15	3	38	9	22	2	5	21 Winds
28	E	Wenceff. Ab.	16	3	6	9	22	2	5	15 12 43 D cum Q.
		17 2 37	9	22	3	5	3	20	22	□ ♂ ♀.
30	E	Hierom. P. D.	18	2	9	9	22	4	5	5 23 and Rain

D.	Ob
1	4
6	3
11	3
16	3
21	3
26	2

- 1 day, 1 h. past midnight.
- 9 day, at 1 morning.
- 17 day, at 5 morning.
- 24 day, at 5 afternoon.

Roman Account.
English Account.

English	Roman	☉	☿	♂	♀	♂
2	13	13	△	□		21
3	14		□	*		
4	15	△	17	6	*	
5	16	23	*		11	*
6	17	*	21		□	19
7	18	○	□	♂	14	□
		□	5	21	△	22
9	20	13	*		22	
10	21		14	♂		△
11	22	△		15		6
12	23	5			*	♂
13	24			*	♂	
14	25		♂		2	23
			15	*	□	♂
16	27	♂	16	20		6
17	28	17				
18	29		□	△	△	
19	30	*	4	10	22	
20		11	△			△
21		20	□	12		□
22			18		7	□
23	4	△		♂	*	20
24	5	□	23	6	14	
25	6	5		♂		*
26	7	*	♂			6
27	8	13				
28	9		△	18	♂	
29		4	△		♂	
30	11		4	20	22	

—I could instance in many Eclipses which have been so dark, that they have not only terrified and amazed Men, but also so far deceiv'd and illudged unreasonable Creatures, that as toward their usual Night-time, the Birds have gone to their Nests or Roosts, and the Beasts to their Evening Dens : the Stars as plainly appearing at Noon-day, as at Mid-night. And as the *Sun's* often Eclipsing hath, and may be Arguments (not only to the Learned, but even to the most Ignorant) of the *Moon's* Grossness and Indiaphaneity ; so likewise the Learned *Astronomers* have from time to time observed the like Eclipses of one Planet by another, and also of the fix'd Stars by the Planets.

On the 11th of July 1678, a Comet appeared in the City of London, which was seen by many of the best Astronomers. A most famous Astronomer, who had been long in Italy, and was a good Christian, was at that time in London, and saw the Comet.

English Account

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M.D.	V.D.		d.	h.	l.	u.	h.	v.	g.	q.	h.	d.	m.		C.A.
1	a	Remigius, B.	19	1	44		8	23	4	7	6	20	6	Sleet,	1
2	b	Leodegar. B.	20	1	22		8	23	5	8	8	4	m. 35	♂ h ♀.	2
3	c	Gerard. Ab.	21	1	2		8	23	6	9	10	18	39	or Snow,	3
4	d	Franciscus, C.	22	0	44		8	23	7	9	11	2	18	or Hail.	4
5	e	Placid. & M.	23	0	28		8	24	7	10	13	15	30	☐ ☉ ♀	5
			24	0	14		8	24	8	11	15	28	14	* h ♂.	6
7	f	Marcus, P.M.	25	0	1		8	24	9	11	16	10	36	Mists.	7
8	g	Demetri. M.	25	59	50		8	24	9	12	18	22	40	Frosty	8
9	h	Eluther. M.	26	59	43		8	24	10	13	20	4	32	about this	9
10	i	Paulinus, B.	27	59	38		8	24	11	14	22	16	17	time.	10
11	d	Ethelbur. V.	28	59	34		8	24	12	14	23	28	2	☐ ♀ ♀.	11
12	e	Walfridus, B.	29	59	31		8	24	12	15	25	9	52	D. cum ☉	12
		P. Tim.	30	59	32		8	24	13	16	27	21	52	Apogee.	13
14	f	Calixtus, P.	1	59	34		8	24	14	17	28	4	4	Winds,	14
15	a	Teresa, V.M.	2	59	39		8	25	15	18	m. 16	29		and Rain	15
16	b	Lausus A.B.	3	59	45		8	25	15	18	2	29	8	at this	16
17	c	Ethelc. & M.	4	59	52		8	25	16	19	3	12	8	time	17
18	d		6	0	1		8	25	17	20	5	25	9	prevail.	18
19	e	Fridisaid, V.	7	0	13		8	25	17	21	7	8	II 27	♂ ☉ ♀.	19
			8	0	27		8	25	18	22	8	21	53	△ h ♀.	20
21	f	Urfula & M.	9	0	43		8	25	19	23	10	5	26	△ ☉ h)	21
22	g	Cordula, V.	10	1	1		8	25	20	24	11	19	9	Moderate	22
23	h		11	1	22		8	25	20	25	13	2	58	good Air	23
24	i	Maglorius, B.	12	1	44		8	26	21	26	15	16	58	△ ♀ ♀.	24
25	d	Chry Guth. M.	13	2	9		8	26	22	27	16	1	m. 8	D. cum ☉.	25
26	e	Evaristus, P.	14	2	35		8	26	23	28	18	15	27	D. Perigee.	26
			15	3	5		8	26	23	29	1	25	50	for the	27
28	f		16	3	34		8	26	24	29	21	14	16	season.	28
29	g	Alfred, V. A.	17	4	3		8	26	25		23	28	40	Stormy.	29
30	h	Agelnoth. B.	18	4	35		8	26	26	1	24	12	m. 51	* ♀ ♀ ♂	30
31	i	S. Botlan. B.	19	5	11		8	26	26	2	26	26	45	♂ ♀ ♂.	31

October, 1700.

D.	Or
1	2
6	2
11	2
16	1
21	1
26	1

- 1 day, at 10 morning.
- 8 day, at 6 Evening.
- 16 day, at 9 at Night.
- 23 day, at 1 morning.
- 30 day, at 10 at Night.

Roman Account.
English Account.

☉	♈	♉	♊	♋	♌	♍
12	♂		□			
13	Δ	5	*	*		
14	9	*	1	6		
15	□	8		□	*	
16	*	11		13	18	
17	15	*	♂			
18	19	19	Δ	□		
19	□	♂		1	12	
20	6	1				
21					Δ	
22	Δ	♂			11	
23	1	19	*	♂		
24			*	4	9	
25			4	□		
26			□	19		
27	♂	*	15		♂	
28	9	15	Δ	Δ	Δ	5
29		23	6	14		
30		22		□		
1				23		
2	Δ	Δ	♂		Δ	
3	5	3	♂	23	*	7
4	□	9		7	□	
5	13			18		
6	*	♂				
7	20	10	Δ	Δ	♂	*
8			17	12	21	3
9			□	□		
10	♂	5	*		♂	
11	□	*	23	*	22	

—Thus hath the bright and radiant Planet *Venus* been Eclips'd by *Mercury*. And both of them have been observ'd at several times to Eclipse the *Sun*, (according to their magnitude) making an Appearance of black spots in his glorious body : The which was nothing but their Natural Bodies being then void of Light, and casting their blacker Shadows toward our Earth. Which, if there had been any transparency, diaphaneity, or corporal purity in them, they could never have done ; being objected so near unto so great a Light, and of such wonderful penetration.

And, as at first he bravely bore the Loss

O's NETS! at last most-humbly *kiss'd* the CROSS.

M.D.			⊙	☾	♂	♀	♂	♀	D	f		C.A.
		d.	r.	"	×	✓	✓	=	m	d.	m	
1	O	20	5	48	8	27	27	3	27	10	17	* ♂ ♀
2	E	21	6	24	8	27	28	4	29	23	25	Moist
		22	7	2	8	27	25	5	7	6	10	but mild
4	B Agricola, M.	23	7	42	8	27	25	7	2	18	33	Air.
5	a	24	8	29	8	28	∞	8	3	0	38	Apt to be
6	D Severus, B.	25	9	16	8	28	1	9	5	12	30	stormy.
7	C Willibrod. D.	26	9	50	8	28	2	10	6	24	18	D cum ☽.
8	D Claud. &c. M.	27	10	36	8	28	2	11	8	6	× 6	□ h ☽.
9	E Theodor. M.	28	11	24	8	28	3	12	9	17	54	* ☉ ♀.
		29	12	14	8	28	4	13	11	29	55	D Apogeo.
11	G	1	13	5	8	29	5	14	2	12	11	Winds
12	a	1	13	58	8	29	5	15	14	24	43	and Rain,
13	b Dabritius, B.	2	14	54	8	29	6	16	15	7	35	sometime
14	c Laurentius, B.	3	15	52	8	29	7	17	17	20	45	* ♀ ♀.
15	D Machutus, B.	4	16	51	8	29	8	18	18	4	13	Frosts.
16	E Osmarus, B.	5	17	50	8	29	8	19	20	17	55	More
		6	18	49	8	29	9	20	21	1	47	wet
18	G Fulco, Conf.	7	19	50	8	29	10	22	23	15	45	follow'd
19	a Pontian. M.	8	20	51	8	29	11	23	24	29	45	□ ☉ h.
20	b Edmond. K.	9	21	53	8	29	11	24	25	13	48	by Frosts.
21	c	10	22	57	8	29	12	25	27	27	55	D cum ☽.
22	D Cecilia, V.M.	11	24	2	8	1	13	26	29	11	55	Cloudy,
23	E Clement. P.	12	25	7	8	1	14	27	✓	26	56	D Perigeo.
		13	26	14	8	1	14	28	19	∞	58	windy
25	G Catheri. V.M.	14	27	21	8	1	15	29	3	24	0	at this
26	a Egbertus, Ab.	15	28	25	8	1	16	m	47	m	55	time.
27	b S. Odi, Virg.	16	29	36	8	2	17	2	6	21	40	□ ♀ ♀.
28	c	17	30	47	8	2	18	3	7	5	12	* ☉ ♀.
29		18	31	57	8	2	18	4	8	13	20	* h ♀.
30		19	33	8	9	2	19	5	9	1	26	

English Account. }

D.	68
1	1
6	0
11	0
16	0
21	SL
26	29

7 day, at 3 afternoon,
 15 day, at noon.
 22 day, at 9 morning.
 29 day, at Noon.

Roman Account.
 English Account.

	☉	☿	♂	♀	♂
1	12	☐			
2	13			☐	
3		*		22	
4	15	*	♂	♂	
5	16	9	17	22	Δ *
6	17			14	5
7	18	☐			
8	19	3	♂		☐
9	20	Δ	3	*	3
10	22		20	*	
11	23		7	♂	Δ
12	24		☐	☐	3
13	25	*	7	21	
14	26	1	Δ		
15	27	♂	☐	15	Δ
16	28	0	7	6	Δ
17	29		Δ	2	4
18	30	10	♂	☐	
19	31	Δ	23	♂	☐
20	1	15		18	*
21	2	☐	♂	17	21
22	3	21	16		
23	4		Δ		☐
24	5		10	Δ	6
25	6	5	☐	7	*
26	7		12	☐	10
27	8		Δ	12	16
28	9		*	12	
29	10	☐	17	*	
30	11	♂		23	
31	12	0	*		♂

—And for my own part, (saith he)
 Anno 1601, October 26. I observ'd the
 first Star of the four in the left Wing of
 the *Virgin*, quite covered and eclipsed
 from my sight, by the interposition of
Venus going between me and the said
 Star; and yet her North Latitude ex-
 ceeded that of the Stars, 30 minutes,
 or half a degree. Which was no small
 Argument of great Parallax in *Venus*;
 and consequently that she is nearer the
 Earth, than hitherto has been imagin'd.
 — But that every Man may the better
 conceive the Planets great Opacity, In-
 diaphaneity, &c. —

English Account.

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December, 1700.

D. 58
 1 29
 6 29
 11 28
 16 28
 21 28
 26 28

7 day, at 11 morning.
 15 day, at 2 morning.
 21 day, at 7 Evening.
 29 day, at 5 morning.

English Account.

Roman Account.

☉	☿	♊	♋	♌	♍	♎
	*					♏
2 13		♏			☐	
3 14		12			23	
4 15	*		♏			
5 16	6	♏		3	△	
6 17	☐	13			18	*
7 18	23		*		2	
			15		☐	
9 20	△			*	17	
10 21	18	*	☐	12		
11 22		12	3	☐	♏	△
12 23		☐	△	23	5	3
13 24		19	11			
14 25	♏	△		△		
	14	22		6	△	♏
16 27		♏			21	7
17 28		17				
18 29			♏	☐		
19 30	△	♏		14	2	△
20 31	♏	1	△		*	2
21	☐		22		9	☐
	7				♏	
23 3	*	△	☐	△	*	
24 4	15	9	4	3	♏	
25 5		☐	*	☐		
26 6		16	11	12	5	
27 7					♏	
28 8	♏	*		*	8	
	17	1		♏		
30 10		♏		*		
31 11			8	12		

Observations.

—Let him consider what bodies even under his senses are transparent, or admit Light to penetrate them, and he shall find such to be glassy, and watry bodies : as Ice congeal'd, Christalline compositions, and most sorts of precious Stones, the Water and Air themselves. And so consequently all pure and simple Bodies. And the more pure, the more diaphanous; the more gross, the less transparent. And, consequently, the Earth it self, and all bodies of like impure compaction do admit no vision of Light thorow them. —If then, the more pure the body is, the more diaphanous; and the more impure and gross, the less transparent : And that the bodies of all the Planets be most indiaphanous; it followeth, that they are most impure, and gross, even as gross as the Earth we tread on; and therefore naturally dark, opacous, and void of Light.

I shall (God permitting) pursue this Theme in my next Years DIARY, if other more useful matter do not offer it self.

Fear God, and Honour the King.
 —Do unto all men, as thou wouldest be done unto.

the Body of Man, as she passeth the twelve



several Significations.

♃. ♄. ♀. ☿. ☽. ♁. ♀. ♄. ♀. ♀. ♀. ♀.
 Head, Throat, Arms, Brest, Heart, Belly, Reins do greet;
 m. ♀. ♀. ♀. ♀. ♀.
 The Secrets, Thighs, Knees, Legs, and th' Active Feet.

The Characters of the Seven Planets.

♄ Saturn.	☉ The Sun.	☾ Luna.
♃ Jupiter.	♀ Venus.	♁ Dragons Head.
♂ Mars.	☿ Mercury.	♄ Dragons Tayl.

The Characters of the Five Aspects.

♂ Conjunction. } ♂ Opposition. { △ Trine.
 * Sextile. } { □ Quarile.

When I consider the Heavens, the works of Thy Fingers, the Sun,
 Moon, and Stars, which Thou hast ordained; what is Man that Thou
 art mindful of him! Psalm 8. ver. 3, 4.

I

Some brief Observations on the Year of our
Lord 1700.

By JOHN GADBURY, Student in Astrology.

Quod felix faustumque sit.

IN my last Year's Diary I acquainted you how difficult^a Task it was to obtain a Solar Ingress truly; and therefore proposed to you the use of the *Animodar*, or *Trutina* for your better Relief therein; the which I think fit to follow this Year; taking the *Animodar* of Ptolemy for my Assistance. Thus having recourse to the *Plenilunium* preceding the Sun's Ingress into γ Aries this Year 1700, I find that ζ Mercury is Lord of the *Animodar*; and his Place being duly consider'd and compar'd with the *Estimate Scheme* of the *Ingress*, confirms our *Vernal* time to be nearly true; and therein pleads strongly for the probable Verity of the *British Tables*: (I say not for their positive Certainty) from whence the following *Vernal Scheme* is obtained, viz.



It is none of my Intention to treat Astrologically on this *Vernal Figure*, though it be a very Illustrious One, and carries a more than common Glory and Pleasure in it; and is so very inviting to an *Astrological* Consideration and Scanning, that I can hardly, tho' I must forbear. It contents me to insert the Scheme thereof for the Satisfaction and Use of those that are curiously inclin'd to such delightful, and (sometimes) infatuating Speculations.

And, since the *Cardinal Points* of Heaven are of the greatest and most remarkable Consideration in all Humane or Mundane Matters, I shall hereunto subjoin the Time when the Sun makes his Entrance into the other three *Cardinal Points* in this Year 1700, which please to take as follows:

				D.	H.	M.	S.		
☉ enters	{	☊ ☋ ☌	on {	June	10	2	20	19	} P. M.
				September	11	17	36	54	
				December	10	5	39	37	

All ingenious Gentlemen inclin'd to *Astrology* may set the several Schemes of these *Cardinal Ingresses* at their Pleasure for their Conveniency or Curiosity. 'Tis easily done by the *Domissing Tables* in any expired *Ephemeris* for the same Latitude: And so I come to speak—

Of the Eclipses which will happen in 1700.

THIS Year 1700, will afford us four Luminarian Eclipses, viz. Two of the Sun and Two of the Moon: But one of them only will be visible to us in England, &c. And that will be a Total and Central Eclipse of the Moon: Of which more will be said presently. These Eclipses will be made in the following Order.

I. The first Eclipse that will happen this Year, will be of the Sun, on February the 8th day, near our Midnight; and therefore must be invisible as to us. It will be a great Defect in its self; and may be seen by such as inhabit a little to the Northward of our *Antipodes*.

II. The Second will be a Lunar Defect, on the 23d day of February, about six or seven a-clock in the Morning. It will be a Total and almost a Central Eclipse; a great part whereof will be visible to us, and in the West Angle, if the Air be favourable. 'Tis very well worth the Pains of the Learned Astronomer to observe. The Calculation thereof follows.

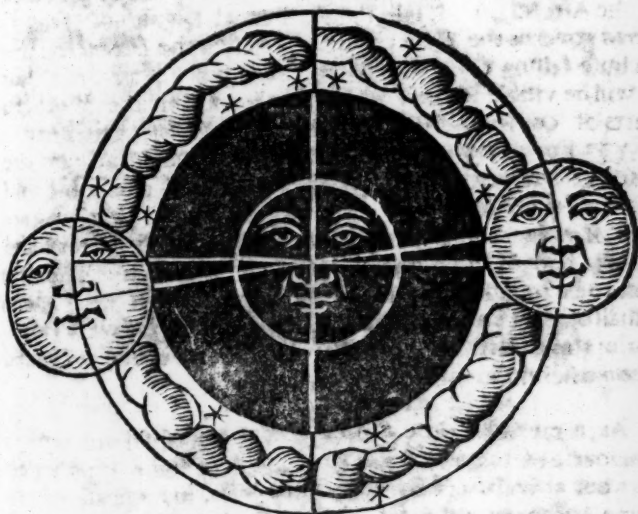
Mid.

Observations on the Year 1700.

3

	D. H. M. S.		D. H. M. S.
Mid. true ☉☽ Feb. 22 19 13 0		Digits Eclipsed, 0 20 11 31	
☉ in ☿ in ♍ 14 52 44		Scr. of Incidence, 1 1 20	
Anoma-☿ Sun, 8 7 43 20		Time of Incidence, 1 47 30	
ly of ☾ Moon, 7 11 20 26		Total Duration, 3 35 0	
Latit. ☾ N. A. 59 57		Scr. Inc. tot. Darkn. 27 39	
Reduct. ☾ Sub. 15		Time inc. tot. Darkn. 48 27	
Hor. mot. ☾ à ☉ 34 14		Diff. of true ☿ and gr. Darkn. 54	
Time of Reduct. add 26		Begin. Feb. 22 17 17 20	
Correct ☉☽ Feb. 22 19 13 26		Beg. tot. Darkn. 18 16 23	
Equar. of Time, sub. 8 36		Gr. Obscurat. 19 3 56	
Apparent ☉☽ Feb. 22 19 4 50		True ☉☽ 19 4 50	
Semidi-☾ Moon, 16 47		End of tot. Darkn. 19 53 17	
am. of Earth, 44 55		End of the Ecl. 20 52 20	
Som of Semidiameters, 1 1 42		Lat. of the ☾ Beg. S. A. 30	
Scruples deficient, 56 29		Moon, ☾ End, N. A. 10 55	

Behold the Type thereof.



This Lunar Defect is celebrated in the House and Exaltation of ☿ Mercury; ☿ Jupiter governs the Term, and ♀ Venus the Decanate. Eclipses may be Signs of Mundane Accidents, as the Inn of Rain; which is therefore called Imbrifer, or the Shower-bringing Bow; but can be no Causes of them, any more than of the Night: both coming to pass from the like grounds in nature: Namely, the Moon's Eclipse is occasion'd by the

Earth coming between the *Sun* and *Moon*. And the Night is occasioned by the *Sun* leaving our *Hemisphere*, and visiting our *Antipodes*; or, more plainly, by the *Earth's* interposing between the *Sun* and our Sight; the which she doth every 24 Hours *gradatim*, making longer or shorter Shadow to us that dwell thereon.

III. The Third will be a small *Solar Deliquium*, upon the 3d day of *August*, near to our 5 a-clock in the Afternoon. It is made in 21 Degrees, 37 Minutes of the *Regal Sign* ♌, or the *Celestial Lion*; the Domal Dignity of the *Sun*. *Jupiter* rules the *Term*, and *Mars* the *Decanate*. It will be visible to the Southern Parts of the World, but not at all to us; The *Moon's* Latitude is South.

IV. The Fourth and last *Eclipse* of this Year will be a great *Lunar Eclipse* in 5 Degrees, 36 Minutes of ♋, or the *Celestial Fishes*, on *August* the 18th day, at our one of the clock in the Afternoon. It falls in the Domal Dignity of *Jupiter*. *Venus* governs the *Term*; and *Saturn* rules the *Decanate*. This *Eclipse* falling under the *Earth*, cannot be seen by us: But it will be visible in their *Meridian* who inhabit the Southern Parts of our *Antipodes*. Thus much for *Eclipses* this Year.

✎ For to close my Observations of the Year, on the 28th of *December* there will be celebrated a Notable and Unusual Conjunction of the two *Infortunes*, viz. *Saturn* and *Mars* in 10 degrees of *Pisces*. The Sign is watery and double-body'd. Let others interpret its Effects: They are like to be too great for me to concern my self with them. I shall observe to you, that the Benign Planet *Jupiter* is Disposer of this *Celestial Congress*, as being Lord of the *Sign* and *Term* wherein it is made.

As in my last Year's *Ephemeris* I entertain'd you with a Discourse of *Lunar Influences*, I hope of some Emolument to you, at least, not to your Loss: So, making use of the same Authors as then, I intend (by God's Assistance) to acquaint you in this Year with some choice and uncommon Observations touching *Solar Eneygy*: For 'tis the *Sun* that is the Equal *Pendulum* of the *Celestial Clock-Work*, and all the other various Wheels and Movements therein do orderly derive from Him.

§. 1. The Ancient Poets, Philosophers and Historians have called the *Sun* by sundry Names, viz. *Apollo, Phæbus, Sol, Titan, Osyris, Paan*, &c. agreeable to his diverse Offices and Dignities: Of whose several Etymologies it is none of my intended Business in this place to give you Information.

§. 2. The *Sun* is a Glorious Body, of an Immense Power in all the Operations of Nature; and (as Sacred Writ doth evidence) *He, like a Mighty Giant, runneth his appointed Race*; setting forth from the East, and finishing his *Diurnal Circuit* in the West. Divers Opinions have risen among Philosophers touching the Nature of the *Sun*; too many, and too large for me in this Place to transcribe, or give you an Account of.

§. 3. He is a Body so full of Wonder and Glory, that many of the best Learned have scrupled to call him a *Planet*. He is indeed the King of Stars and Planets; the Eye, the Heart, and Centre of the World. Some have thought him not undeserving to be stiled the *Visible Deity*. And as such, in divers Parts of the World, (viz. before the Light and Power of Christianity had prevailed, and dispell'd the Mists of *Heathen Ignorance*) was by whole Nations, &c. worshipped.

§. 4. *Nihil sine Deo & Sole*: There is nothing in all Nature's Province that can pretend to Perfection or Being, without God and the Sun. He (the Sun) is the Life and Soul of every Vivant Thing. It is by him so many Glorious Lamps of Heaven shine, and impart their Light to the *Lower Hemisphere*. By his Energy the Elements are distinguish'd and subsist. The several Winds blow by his Power; and by It all *Plants and Vegetables* flourish.

§. 5. All *Sensitives* do owe, and stand indebted to the Sun for their Motion and Growth: And, what is to be greatly admir'd at, by Solar Power it is Day in one part of the Earth, and Night in another at the same Instant of Time. At the very approaching of the Sun's Beams all Shadows fly, and the *Black-fac'd Night* becomes a *Glorious Day*.

§. 6. As the several Planets in their Order do salute the Sun for their King, He, as configurated, ordains Fair and *Malign* Weather, Thunder, Lightning, Storms, Hail, Mist, Fogs, Rains, and all manner of *Meteorological Varieties*; A

Speculation so delightful and profitable, that the Ancient Romans appointed *Hail-Scouts* (as they then were called) and allowed them Salaries; as is witnessed by the Noble *Seneca*.

§. 7. 'Tis the *Sun*, as accompanied with his *Satellites*, &c. that ploughs up the dangerous Furrows in the Ocean. 'Tis He that creates monstrous Currents, Hurricanes, Trade-Winds, Tuffons, contrary Tydes, and the like; and sometimes again He becalms the unwearied and adventurous Seaman.

§. 8. The *Radiant Sun* is the only mundane Artificer, and imparts to Mankind his curious Skill in a million of delectable Arts. He adorns the Fields and Meadows with a Multitude of pleasing Varieties, beyond the Power of *Titian* or *Vandike* to equal. He colours the Clouds with a delicate Azure; and cloaths the Mountains in a glorious Golden Livery.

§. 9. All sorts of Creatures rejoice, and are refresh'd with the Light and Influence of the *Sun*. The Leaves and Flowers of Vegetables, which the dull and melancholy Night had clos'd, do pleasantly open and display themselves at the Appearance of *Apollo*: And every thing without Demur, pays Adoration to the *Rising Sun*.

§. 10. Your Hot and Scorching Summers, Long, Sharp and Biting Winters; The Returns of great Rains, deep Snows, nipping Frosts, Droughts, Thunders, &c. have their chief dependance upon the *Sun*, as he happens to be configurated, or otherwise concerned with the other *Planetary Bodies*.

§. 11. Also *Great Mundane Accidents*, as Wars, Plagues, Invasions, Inundations, healthy or sickly Years, Plenty or Scarcity: The Rise and Fall of Empires, Monarchies, Sects, Heresies, &c. They are all (in respect of second Causes) effected by the *Sun*, as He is related by *Aspect* to the other Stars, in the performing his Diurnal and Annual Rotations.

§. 12. As the *Sun* is assisted or oppressed in the Equinoctial Signs, the Pulse of the *Macrocosm* beats accordingly, either to Pleasure or Pain. And, by the *Sun's* Access to *Cardinal Signs*, the Grand Annual Seasons are distinguished.

§. 13. *Eclipses* of the *Sun* in *Aries* or *Libra*, (the *Cardines*, or *Hinges* of the *World*) are remark'd by the Ancient *Astrologers* for the (rarely-failing) Antecedents of War, Pestilence, Tumults, Popular Fury, Seditions, Rebellions, &c. And, in all *Stellary* Judgments the Artist is strictly enjoin'd, not to omit or neglect the Significations of the *Sun*.

§. 14. Divinity teacheth us, that the *Sun* is a great Minister, the Light and Life of the Natural World. He is the happy Distinguisher of Climes and Countries.--- All the Year would be a black and dismal Winter, and every of Nature's Productions would turn to its Original *Chaos* again, were it not for the *Sun's* cherishing Light and Influence.

§. 15. The Land would be as Flint, viz. Barren and Uncapable of Generation and Production. The *Fluxile* Sea would appear a Mountain of Ice: The Blood and Animal Spirits in Humane Body would cease its Circulation: And Poor Man, would remain a meer Lump of Inactive Clay, as at his first Creation, were it not for the comforting and vivifying Power of the *Sun*.

§. 16. Among a Multitude of Stars God hath commanded the *Sun* to appear, and (as to Vulgar Vision) to run an Eternal Race in his Great *Olympicks*. The *Ecliptick* is his constant Way or Path, from the which He never recedes. He is no *Latitudinarian*.

§. 17. God gave the *Sun* his Royal Commission, the which He most faithfully and justly executes, by penetrating and invigorating all things. There is nothing in the whole Universe that is hid from His Heat or Influence. He dissolves Fogs and Frosts, exhales Dews, scatters Mists, and dissipates the darkest and thickest Clouds.

§. 18. The stubborn Clay is calcin'd by the *Sun's* Heat: And all the Earth basketh in his Light. Like a skilful *Chymist*, he draweth the Waters as through an Alembick, and gageeth the Depth with his Beam. He decircinath the *Iris* with his curious Pencil, and imprints his lovely Image on the Roscid Cloud.

§. 19. The Currents of the Seas observe his *Tekupha's*, and flock all to the Place of his Residence. Where the *Royal Sun* keeps His Court, there is always the greatest Conflux; and the very Stream makes haste to kiss His Princely Feet.

§. 20. The *Sun*, by his Vertical Strength raises mighty Thunders, and gives Fire to the Priming of the Clouds. He rouseth *Zephyrus*, (or the *West Wind*) out of its Den, which yields a gentle Breez in the Summer Morning; and kindly fanns and refreshes the Painful Husbandman in the Cool of the Evening.

§. 21. It is the Potent *Sun* that banisheth the most sharp and tedious Frost; and by the Power of his mighty Spell confineth it to the Ends of the Earth. He melteth the deepest Snows, and the Vapours of the Night fly before Him.

§. 22. At the *Sun's* advancing Dame *Vesta* widely expands her choicest Warehouse: And the humble Flowers of the Fields and Gardens open themselves most willingly for His delightful and ravishing Entertainment. Each Creature proclaims his Satisfaction in the Presence of the *Sun*.

§. 23. The Birds of the Air, (those curious warbling Choristers) observe His Night-Watches; and most delightfully chaunt their *Reveille* to the Sons of the Night. They flock after the *Sun*, as Clients to their Councillor, and retreat dishonourably at his Retirement. And every Creature more or less doth mourn at the Absence of the *Radiant Sun*.

§. 24. The very Life of Animals subsist by *Solar Energy*. Nay, of our *Immortal Spirits* the *Sun* (saith a Learned Theologue) is the *Union*. So Illustrious, so Glorious and Powerful a Body is the *Sun*, — That all which the Poets and Philosophers have sung or spoke in His Praise, is too little for his daily Merit.

§. 25. But tho' the *Sun* does as fully as justly inherit all the before-mentioned great Royalties and Prerogatives, and is deservedly owned the Chief Regent (*sub Deo*) over all the various Works of Nature; yet by Philosophers He is only esteemed as the Spring of the Celestial Clock-work (as was before-hinted;) and without Him nothing there-

therein (indeed) can move: And all of them allow, that the Greater and Lesser Wheels of the Watch do perform their distinct Offices also; but still in Obedience to Him.

§. 26. For if the *Sun* were the alone and absolute Cause of all mundane Variety, then would the several Seasons of each different Year be alike: And we should never know such Distinctions as backward or forward Springs, or hot scorching Summers; tedious sharp Winters from common and temperate Seasons.

§. 27. It follows therefore most plainly, that the *Sun*, (though the most Noble and Perfect Body in the Fabric of Nature) for his better going on with the wonderful Work unto which he is appointed, requires the Assistance of his Fellow, (or rather Inferiour) Cessentials, as well for the constituting the several Seasons of the Year, as for the perfecting of all other Matters.

§. 28. 'Tis an allow'd Axiom on all Hands, — *Sol & Homo generant Hominem*: Not the *Sun* alone, nor *Man* alone, but the *Sun* and *Man* together, beget *Man*: The *Sun*, as the Fountain of Vital Power, invigorating the *Semen* or Generative Principle in *Man*, is the common Cause of his Production, *Man* the Instrumental.

§. 29. Now, it is universally known, that the Seasons of the Year are differing from each other in proportion of Light and Warmth; and the *Sun* is allow'd the sole and absolute Cause of the former, though He be not so of the latter. He is confess'd to be a Light all-sufficient, but not so of Heat.

§. 30. A Candle or Taper kindled will illuminate a large Room; but it will not warm it. Howbeit, the *Sun* is justly esteem'd as the principal, though not the sole Dispenser of Heat. The General of an Army carries the Glory of the Battle; but the Valiant Soldiers under his Authority help to win it. Other Planets and Stars do dispense Heat as well as the *Sun*, though not so much.

§. 31. The Approach and Exaltation of the *Sun* encourages the Warmth of the Spring, and adds Heat to the Summer Season: But yet neither Days nor Months do

always increase, stand or remit their Warmth in proportion to the *Solar Access* or *Recess* to or from the *Solstice*.

§. 32. It is Notorious, even to the highest Pitch of Demonstration, that the *Æstival* or *Summer Heat* ever increases as the *Sun* declines: For it is most manifest, that the Month of *July* and a part of *August* are usually more hot and sultry than is the *Solstitial Month* of *June*.

§. 33. 'Tis eminently known, that the Heats of *July* and *August* do receive their intense Degree from the Proportion of the Pre-existent Warmth. But then 'tis also known, that the Heats of *July* and *August* have been found as intense when the preceding Tropick Month of *June* hath been contrary affected.

§. 34. Every Observing Man, (though but for seven Years space) is able to furnish the World with Instances of an *April*, *May* or *June*, which have prov'd cold beyond (common) Expectation, when they have comfortably reliev'd themselves with the Hopes that the two succeeding Months of *July* and *August* would answer their VVishes and make 'em amends.

§. 35. Let me further observe to you, that this Doctrine holds not true in *July* alone: — For, the End of *March* may afford more VVarmth than *April*; and *April* may prove less cold than *May*; *November* warmer than *October*, *January* more cold than *December*, *March* more cold than *February*.

§. 36. It were no hard matter to give sundry Instances of these Truths; (But the *Diary* of the VVeather for 21 Years, printed at the End of my *Astrological Seaman*, will sufficiently furnish the Intelligent Readers:) The Consequence therefore is firm, viz. That the *Sun* (which though for ought we know may be) a Body of Fire, is not the alone and sole Dispenser of Warmth.

§. 37. If the *Sun* alone were the Cause of all the Airs various Mutations, then would every fourth Year bring about the same Revolution of VVinds and VVeather in all respects; the *Sun* being then return'd to the same Place as in the first Year. But we know no such Revolution ever happens.

§. 38. Some Learned Men are pleased to object, — That the Returns of the VVeather being fixed and determined, it is but reasonable, that the Fix'd Cause be assign'd the Author of that Determination : But the *Sun*, and nothing else is the determinate Cause thereof : He must therefore be the Entire and Adequate Cause also.

§. 39. The Objection is thus answer'd : ——— If all the Stars in Heaven should conspire with the *Sun* in the Production or Procurement of one Tempest, they could indeed chuse no time but what the *Sun* should determine : So that without Injury to Truth, the *Sun* may justly be concluded the *Determinate Cause* thereof.

§. 40. But, it is not consequential, that therefore he is the *Adequate Cause* also, the *Sun* bearing two distinct Offices or Places, viz. *Physical* and *Chronological* ; in the first whereof He helps to produce an Effect ; and in the second He circumstantiates the Production.

§. 41. But, to deal plainly, though the *Sun* and *Moon* both are most Eminent and Active Bodies, yet cannot the Various Changes of the Air be wholly referr'd to either of them, for some Reasons already mentioned. And, yet the Appulses of the *Moon* to the *Sun* and *Tropicks* are not without Effect.

§. 42. Had these ravishing *Lucidaries*, the *Sun* and *Moon*, been the alone Causes, the Mystery would have been discovered in more than Two Thousand Years Observations, seeing their Motions are so conspicuous. But no Man hath pretended to find any *Specialties* therein, excepting in three or four Days in a Month ; and these too of very uncertain Signification.

§. 43. For the *Moon*, we know she is only a Reflexion, and Reflexions are tied to Laws ; but no Constitution of the Air is bound to those Reflexions. The VVeather returns in such a Month, when there is neither the same *Phases* of the *Moon*, nor yet an Equivalent to be met with.

§. 44. Now, if the *Sun* and *Moon* were the compleat Causes of the Air's Mutability, then every nineteen Years Revolution would certainly produce the same State of VVeather : And we might be able to say what would be the

the Face of Heaven to morrow from a 19 Years Observation only.

§. 45. It is well known that the same State of VVeather lasts a VVeek, a Month, sometimes much longer; whereas the *Moon* changeth her *Phases* every twenty four Hours; and in little more than two Days runs a Twelfth Part of her Circle; and in a Month shifts all her Postures in relation to the *Sun*.

§. 46. But the VVeather, we know is fickle; and sometimes in two Hours, or a less Quantity of Time, the Heavens shall be mask'd, clear, calm and turbulent, though the *Sun* and *Moon* in the said Space do make no very considerable Difference in their Zodiacal Places.

§. 47. Sometimes it has been observ'd to rain and shine by Fits, and with such Variety of Surprise in one Day, that if the *Sun* and *Moon* had ran through the whole Twelve Signs of the Zodiack in that Twelve Hours space, the Variety could not possibly have been greater.

§. 48. And if we reflect upon the Violence and Extremity of the VVeather, which very often happens, there must be other Causes consider'd for their Production besides the *Sun* and *Moon*, viz. for Heat, sultry, melting, fainting Air; for VVind, the Fury of boisterous and tempestuous Blustering, rending up Trees by the Roots, and rocking of the most lofty Towers.

§. 49. Of the Extremity of Heat, the *Moon*, supposing the *Sun* never so much, cannot be the Cause; She being only a single Reflexion, as was before remembred. And as for the Air that is heated sometimes beyond the Power of a single Reflexion, as if there were some *Anthelii*, one or more invisible *Suns* to assist.

§. 50. 'Tis the common Fashion of the Vulgar Man to impute all the Heat of Air to the *Sun*. And on a sultry Day he will cry, — *The Sun is very hot!* But, be sure the *Sun* at that time hath some *Satellites*, some invisible Company or Guards to assist, that (unseen to mortal Eyes) lie behind the Hyacinth Hangings of the Heavens.

§. 51. But now in the Fury of a Tempest the Common People speak mote feelingly, saying—*It Rains as if Heaven*
and

and Earth would meet, and blows as if it would rend and tear up all before it: And, rather than they'll refer such Violences to the Sun, Moon and Stars, as proper Causes, they'll conclude the Devil himself rages in the Storm.

§. 52. Let us add hereunto a Word of the Contrariety and State of the Air. The Sun and Moon (t'is generally believ'd) may be assign'd some Cause of Warmth: But who assigns a Cause of Cold? The Sun by his different Motions dispenses Summer and Winter; and also distributes Days and Nights.

§. 53. The Night and the Winter both are generally acknowledg'd cold, by reason of the Sun's Absence and Distance. But then whence comes the Summer? or the Day to be cold? Is the Sun the Cause thereof? VVhat! the Cause of Contraries? and that also while he is present? Surely not.

§. 54. The Sun cannot be the Cause of Darkeness when he is above the Earth; nor yet the Cause of Cold when he is present with us. VVhen a cold Hail-Storm is observed to follow Lightning and Thunder: Doth either the Sun or the Moon congeal the Hail, or yet kindle the Flash?

§. 55. Doth the Moon singly congeal the Storm? (possibly She may be a Tepid Planet) Or, is it the middle Region, and the *Antiperistasis* doth it? If so, then it would always hail, and not rain when it thunders; especially for the hottest Days, the fittest for the *Antiperistasis*.

§. 56. But in case we find the lower Region also chill'd when it Thunders and Hails at *Midsummer*: what is it then encourages this Cold? or, who enlarges its Confines? It is too late to talk of *Reliquia Hyemis*, or Remains of the cold, dull and dirty VVinter at *Midsummer*, or in July.

§. 57. Nor is it just to turn us off with the blind Notion of the Matter: For what is uncertain and confus'd, is casual; and Causality is inconsistent with Science: So inconsistent, that it is not to be pleaded by any Lovers of Learning. And, what shall we say as to the Time, viz. when after a Number of close and muddy Days, the Air clears up at Midnight? VVhat is it removes the black Curtain? 'Tis scarce the Nature of the Night to remove Clouds; Her chill Constitution doth rather fix and settle 'em. Nor yet hath the Moon such a Power. For, supposing her risen above the Earth,

the

the *Sun* is often hard put to it to take a Mist from the Earth, and certainly much more the *Languid Moon*.

§. 58. The like may be said for *VVinter*. The Absence or Depression of the *Sun* induceth Cold *VVeather*. But then how come *VVinters* to be warm? I say, warm, commonly for a Month or more? when the *Daisie*, *Anemony* and *Strawberry* shall blow. The *Moon*, we know, for half of that Time, is in *Winter Signs*.

§. 59. Many a Summer passes over our Heads and it Thunders not (at least not with us :) And *VVinters* have gone over without much Cold. Can a *VVinter Night* be warmer than many in *Summer*? Can the *Sun* in his lowest Degree, and Absence withal, be more potent than in his Presence and *Verticity*? There are therefore some *Satellites* as before-said, to be taken notice of; I mean the Five Erraticks, *Saturn*, *Jupiter*, *Mars*, *Venus*, *Mercury*, Planets whom the *Heathen* worshipped, as supposing them endu'd with a more than ordinary Influence, both in the Air and otherwise.

§. 60. Now these *Planets* are for half their time invisible as to us, accompanying the *Sun* in his Diurnal Circuit, and also in his Nocturnal: And therefore neither They, nor yet the *Sun* Himself were made for a naked Illumination only; but for other admir'd Uses.

§. 61. If the *Moon* had been made for Illumination only, She would never appear by Day, when there is no need of her Light: Nor would she ever disappear in the Night when her Light is most wanted: 'Tis apparent therefore She hath some other Service to do the *VVorld*. Of part whereof (and who understands it all?) I treated the last Year.

§. 62. No good *Astronomer* will affirm that *Mercury* (a Planet so seldom seen, unless in the more Southern Parts) was made for Illumination only, or principally, to say nothing of the *Satellites*, &c. For, the *VVorld* we inhabit, in that regard, would derive but very small Benefit from Him.

§. 63. If an *Atheist* should accuse Nature of Disorder, and on that account deny an Eternal Providence; and urge in his own Defence the Appearance of the *Moon* by Day, or the obscuring of *Saturn*, *Jupiter*, *Mars*, *Venus*, *Mercury*, and half the Number of the Fix'd Stars, which were made for Lights, — 'I would (saith the Learn'd Goad) to win him, teach him

'this

'this most excellent Truth,—That not one Star in Heaven was made for Illumination only; but that all of them were made for Influences, for the Distinctions of Times and Seasons; and also to impart Heat, as well as Light, unto this Lower World.

§. 64. Now, fith all the Celestial Bodies are Lucid either of themselves, or by Reflexion, they must have a VVarmth more or less; for Light and Heat differ only as to their Measures. They are really and substantially the same Spirit, though formally differing in relation to the Eye and Touch.

§. 65. The Sun is owned to be the Fountain of Light; and the rest of the Planetary Bodies only Reflections. Yet those Reflex Globes, like the Moon, (besides their Magnitude and Nearness to the Earth) may be of such a Figure, that even the Reflexion may receive Heat sufficient for Use.

§. 66. The Sun indeed the Holy Scriptures call a Great Light, but not a Bare and Naked Light: For Experience fully proves, that there is nothing hid from the Heat thereof: And it is well known, That Heat and Light are never barren as to a Third Quality, the which Astrologers call Influence.

§. 67. As the Sun hath his Diurnal and Annual Motion from Tropick to Tropick, so also have the rest of the Planets their Diurnal, Annual, and other Periodical Motions between the same Points; and therefore must have their Heat also.

§. 68. No other Reason can be given why the Sun should move to and fro obliquely in the Zodiack, but for the Addition and Subtraction of his Heat. It is very plain therefore that the rest of the Planets being appointed to perform the same Oblique Motion, must have some Influence also to distribute.

Y^e I might pursue this fruitful and delightful Theme much further; but having already exceeded my narrow Limits, I forbear, and shall conclude my This Years Discourse with this Humble and Pious Ejaculation, viz.—

—If the Natural Sun be thus Glorious and Powerful in his Effects; and that the Knowledge of his mighty Operations and Significations are earnestly to be coveted by Men as they are Philosophers, Astronomers, &c. How much more is the Knowledge of the Son of Righteousness and Influence of our Blessed Saviour and
Re-

Redeemer, to be Thirsted and Pantted after by Them, as They are Christians and Heirs of Eternal Salvation?

JOHN GADBURT.

GOD SAVE THE KING.

ADVERTISEMENTS.

BY reason of an unhappy Fog, the late *Solar Eclipse* could not be seen with us at *London*; yet where 'twas visible, the greatest *Darkness* was observ'd to be about 9 h. 20' A.M. *Sept. 13. 1699.* agreeing to the *British Tables*, whence are deduc'd my *Ephemerides* for 60 Years, now ready for the Press. I hear of other Tables preparing for the Publick; and should be pleas'd to see them abroad: Being so far from thinking we have too many *Astronomical Tables* already, that I wish we had more, if but in any thing better. — *The more Candles, the more Light.*

DR. *Patrick Anderson's Grana Angelica*, commonly known by the Name of the *Scotch Pills*, very useful in all Diseases as well *Preventative* as *Curative*; which *K. Charles II.* frequently took with good Success; and many of the Nobility, Gentry and most Eminent Citizens do still find great Benefit by; are faithfully prepared (for Prevention of Counterfeits) by Mr. *JOHN HOLME*, Apothecary to the *Charter-House*; and approved of by the late President and Censors of the College of Physicians, viz. *Sir Tho. Millington*, President, *Dr Burwell*, *Dr. Daws*, *Dr. Torless*, *Dr. Gill*, Censors; Sold by the said Mr. *HOLME*, and by such as he deputed to the Sale thereof; with Directions how to use them, having both his *OWN*, and *Dr. ANDERSON's* Pictures to them. The Prizes, 18 d. 2 s. 6 d. and 5 s. a Box.

MR. *Dr. DET's Golden Cordial Pills* left her by her Father an Eminent Physician, excellent for Gripings of the Guts, Vomiting and Looseness. One Pill makes a perfect Cure in an Hours time: Two cure the *Bloody Flux*, Vomiting of Blood, &c. 'Tis useful by Sea and Land, and keeps its Virtue 20 Years: Of all which, and other its Virtues, you may receive a further Account of Her the said *Mrs. DET*, who makes and sells them, at the *White Lion* near the *San Tavern* in *Fleetstreet*.

EPHEMERIS
OR, A
DIARY

{ ASTRONOMICAL,
ASTROLOGICAL,
METEOROLOGICAL, }

For the Year of our Lord, 1700.

Which is Bissextile with us, but omitted

In the ROMAN ACCOUNT.

Containing,

- I. The Planets Motions, Aspects, Eclipses, &c. Rising and Setting of the Sun and Moon, Terms, Twilight, Planetary-Hour, &c.
- II. The Times and Types of all visible Eclipses to us, for XXVII Years yet to come.
- III. Some Account of Solar Influence and Energy over all kinds of Bodies Sublunary.

By JOHN GADBURT,
Student in Astrologie and Physick.

Multi Multa sciunt, sed Nemo Omnia.

LONDON,
Printed by J. R. for the Company of STATIONERS,
1700.

To the Impartial Readers.

Gentlemen

BY God's great Mercy and Benignity we are come to the end of a disturbant mutable *Century*, and approaching another (we hope) more fix'd and tranquil. And, to support our humble Wishes, the Year 1700, comes attended with no unfriendly OMENS. *Viz.*

I. A pregnant *Truth* in respect of *Cœlestiall Certainty*, by an omission of the *Leap-day* in *February*, S. N. according to the Decree of P. Gregory 13. 1582.

II. A General *Jubilee* in most parts of *Christendom*.

Happy Age! that is usher'd in with an *Heavenly Verity*, accompany'd with *Peace on Earth*. Yea, more than thrice happy! might it also heal our too many Christian Divisions. Then should we never fear an advancement of the Half \gg above the *Cross*; or of any *Turkish Prophecy* taking place to the Injury of *Christians*: which yet the hungry *Mahometans* do greatly pride and please themselves with the hopes of, even about this very time.

Many Learned Persons have set up their Mark, at, or about this Year of 1700. *viz.* *Nostredamus*, Lord *Napier*, Mr. *Maxwel*, Mr. *Broughton*, A. B. *Usher*, B. *Stillingfleet*, Mr. *Sherwin*, Mr. *Beverly*, &c. as expecting therein somewhat more than ordinary. When so many Eminent *Men*, in several *Places*, and *Times*, (and unknown to each other) shall providentially conspire in the Utterance of one and the same *Sentiment*, I cannot but believe, (tho' I am none of the most credulous, least I should imbibe an Enthusiasm for Prophetick *Verity*) That the great Gubernator of all things (whose Conduir-pipes poor Mortals are) doth sometimes inspire *Men*, as his Heralds, to proclaim or sound forth his Divine Decree of somewhat to be effected for the Honour of his Name, among the Nations of the Earth: whose Inhabitants (without such Premonitions) are apt to forget God.

And, might I presume to parallel these *Learned Mens Conjectures* (for Prophecies I am loath to call them) with the state of the Heavens, — we know the Fiery-Trigon is now regnant: and that in short time after the entrance of 1700, there will be celebrated a famous \odot Ψ in Υ . — I say, in Υ the first and chief sign of the *Zodiac*. The *Sun's* Exaltation. *Mars* his Domal Dignity. Also Balsamick *Jupiter* hath an eminent share in the Triangle ennobled by this Illustrious Congress. And Peace-making *Venus* rules the Term whereby 'tis bounded.

God

To the Impartial Readers.

God is wonderful in his Works, and ever to be adored. — But as for me (poor Dust and Ashes!) I am much fitter humbly to admire, than pursue so rich and dazzling a Theme! and therefore hold it both Prudence & Duty to stop my Pen as to that copious Subject.

One word or two of the ensuing sheets, and I have done. — Syth Variety is ever most apt to please; — and that Cock and White-broth constantly fed on doth rather satiate, than satiate the most curious Stomachs; I have here omitted *Genethliacal Instances*: and substituted in their stead some useful Planetary Notions wrote by Mr. Ed. Gresham near an 100 Years since, but never Printed. — I have also inserted a Catalogue of all the visible *Eclipses* of both Luminaries which will happen in our Hemisphere for XXVII Years to come, which is design'd for the entertainment of Ingenious Minds.

Here is also added plain Rules whereby to find the time of the *Moons Rising and Setting*: as being constrain'd to leave out the Column thereof in the Calendar, to make room for (some what by many thought more useful, I mean) the *Sun's Place* to Seconds.

Lastly, In the room of *Astral Prognostications*, [which of late Years have been, by some *Progeny*, accompanied not only with *Scandals*, and egregious *Falshoods*, &c. but also with much *Immorality* and *Profaneness*, &c.] I have furnish'd my Readers with a brief Account of *Solar Dominion* over *Sublunary matter*. The Consideration whereof may lead them into a just and pious Contemplation of the Omniscience, Power, and Goodness of God, our All-Wise Creator. — Which we hope will prove of more worth, than a million of trifling and false-grounded *Pyecitions*.

The Heavenly Hermit, St. Anthony (as his Life records) being demanded in the Wilderness, *What Books he had for his Instruction*? he wew the Heavens and the whole World, saying, *These are the Books which I daily contemplate! The infinite Wisdom, Power and Goodness of God. The Macrocosme is a Library* so large and various, that it requires more than *Methusalem's Age* to study it well. — *Verbum, & opera Jeshovæ meditabor*; was the Learned *Hartgill's* Motto. And I desire ever to make it mine. — To meditate on the Word, and Works of God, was *Royal David's* Delight; and ought to be the Felicity of every good Christian. And, I resolve (*Deo adjuvante*) that unto this Point shall ever tend all the *Astral Endeavours* of —

(Continued.)

Brick-Court, by the Deans-Yard, Westminster.

Yours and *Uraniah's* Votary,

JOHN GADBURY

A Perpetual TABLE of Break of Day, Twilight, Sun-rise
Sun-set, Length of Day and Night, &c. in the Latitude of Lona

Months.	Days	break of D.		Twilight.		Sun rise.		Sun set.		Leng. Day.		Leng. Pl. H.		Pl. H. by N.			
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.				
January	1	5	54	6	6	8	2	3	58	7	56	16	4	0	40	1	20
	11	5	42	6	18	7	49	4	11	8	22	15	38	0	42	1	18
	21	5	35	6	25	7	34	4	26	8	52	15	8	0	44	1	16
February	1	5	17	6	43	7	17	4	43	9	26	14	34	0	47	1	13
	11	5	07	7	06	59	5	1	10	2	13	58	0	50	1	10	
	21	4	45	7	15	6	42	5	18	10	36	13	24	0	54	1	6
March	1	4	20	7	40	6	23	5	37	11	14	12	46	0	56	1	4
	11	3	59	8	16	0	6	0	12	0	12	0	1	0	1	0	0
	21	3	38	8	22	5	42	6	18	12	36	11	24	1	3	0	57
April	1	3	58	8	55	5	20	6	40	13	20	10	40	1	7	0	53
	11	2	38	9	22	4	58	7	2	14	4	9	56	1	10	0	50
	21	2	29	9	58	4	40	7	20	14	40	9	20	1	13	0	47
May	1	1	30	10	30	4	22	7	38	15	16	8	44	1	16	0	44
	11	0	30	11	30	4	4	7	56	15	42	8	18	1	18	0	42
	21	All	No	3	55	8	5	16	10	7	50	1	20	0	40	0	40
June	1	day,	night	3	57	8	3	16	20	7	40	1	21	0	39	0	39
	11	and	but	3	58	8	2	16	26	7	34	1	21	0	39	0	39
	21	no	Twilight.	3	50	8	10	16	20	7	40	1	22	0	38	0	38
July	1	night	light.	3	57	3	3	16	6	7	54	1	20	0	40	0	40
	11	0	42	11	18	4	9	7	51	15	42	8	18	1	18	0	42
	21	1	22	10	38	4	21	7	39	15	18	8	42	1	16	0	44
August	1	2	00	10	00	4	39	7	21	14	42	9	18	1	14	0	46
	11	2	21	9	39	4	58	7	2	14	4	9	56	1	10	0	50
	21	3	09	0	5	16	5	44	13	28	10	32	1	7	0	53	
September	1	3	30	8	30	5	35	6	25	12	46	11	14	1	3	0	57
	11	3	59	8	15	58	6	2	12	0	12	0	1	0	1	0	0
	21	4	19	7	41	6	16	5	44	11	28	12	32	0	57	1	3
October	1	4	48	7	12	6	36	5	24	10	48	13	12	0	54	1	6
	11	5	07	0	6	56	5	4	10	8	13	52	0	50	1	10	
	21	5	18	6	42	7	15	4	45	9	30	14	30	0	47	1	13
November	1	5	37	6	23	7	34	4	26	8	52	15	8	0	44	1	16
	11	5	45	6	15	7	49	4	11	8	22	15	38	0	42	1	18
	21	5	54	5	6	8	1	3	59	7	58	16	20	0	40	1	20
December	1	5	57	5	3	8	10	3	50	7	40	16	20	0	39	1	21
	11	6	06	0	8	13	3	47	7	34	16	26	0	38	1	23	
	21	5	58	6	2	8	3	52	7	44	16	16	0	37	1	23	

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A Table of the **TIMES** and **TYPES** of all the
Visible Eclipses for XXVII Years to come; beginning
Anno 1700.

Anno Dom.	Character. Sign.	Degrees.	Month and Day.	Digits.	Type.	Anno Dom.	Character. Sign.	Degrees.	Month and Day.	Digits.	Type.
1700	D \cap 15		Feb. 22	20		1711	☉ 22		July 4	9	
1701	D \cap 4		Feb. 11	5		1712	D Ω 3		Jan. 12	4	
1702	D \ominus 12		Dec. 22	8		1713	D Π 10		Nov. 20	6	
1703	D Ψ 6		Jun. 17	17		1715	D δ 18		Oct. 30	8	
	D \ominus 1		Dec. 11	21		1717	D Ξ 6		Mar. 15	7	
1704	D Π 1		Nov. 20	7		1718	D \times 17		Aug. 29	22	
1706	D \cap 7		Apr. 16	7		1719	D \times 6		Aug. 18	5	
	☉ 21		May 1	10		1721	☉ Ω 1		July 13	3	
	D \vee 28		Oct. 7	8		1722	D Ψ 14		Jun. 17	14	
1707	D Ξ 26		Apr. 5	21			☉ 16		Nov. 27	6	
1708	☉ \cap 21		Sept. 3	4		1724	☉ δ 2		May 11	7	
	D \vee 7		Sept. 18	13			D δ 9		Oct. 20	7	
1709	☉ \times 21		Feb. 28	3		1725	D \vee 28		Oct. 10	22	
1710	D Ω 25		Feb. 2	10		1726	☉ Ξ 2		Sept. 14	7	
	☉ \times 10		Feb. 17	7			D \vee 17		Sept. 29	6	

This T A B L E needs no Explanation.

A TABLE of the *Moon's* Shining and Southing, whereby may readily be found her Rising and Setting, &c.

Days Age for her Shining		Time of D's Shining		Days Age for her Southi.		Time of D's Sou. hi.	
Days.		H.	M.	Days.		H.	M.
1	29	0	48	1	16	0	48
2	28	1	36	2	17	1	36
3	27	2	24	3	18	2	24
4	26	3	12	4	19	3	12
5	25	4	0	5	20	4	0
6	24	4	48	6	21	4	48
7	23	5	36	7	22	5	36
8	22	6	24	8	23	6	24
9	21	7	12	9	24	7	12
10	20	8	0	10	25	8	0
11	19	8	48	11	26	8	48
12	18	9	36	12	27	9	36
13	17	10	24	13	28	10	24
14	16	11	12	14	29	11	12
15	15	12	0	15	30	12	0

To find the *Moon's* Southing.

If the *Moon* be increasing, (as she is for the first 15 days of her Age, then the Hours and Minutes against her Age, notes the time of her coming to the South, Afternoon. But if decreasing, (as she is the last 15 days of her Age) then the Hours and Minutes against her Age, shews the Time of her Southing in the Morning. This is so plain, it needs no Example.

For the *Moons* Rising, observe whether she Increase or Decrease, at the Calendar Pages shew you. If she Increase, add the time of her Shining to that of the *Suns* Rising, and that gives you the time of her Rising. But if she Decrease, subtract the time of her Shining from that of the *Suns* Rising, and that produces the time of her Rising.

In the Increase, add the time of the *Moons* Shining to that of the *Sun's* Setting, and that gives the time of her Setting. But in the Decrease, subtract the time of the *Moons* Shining from that of *Sun* Setting; and so you have her Setting.

Note, If the Hours and Minutes of the *Sun's* Rising or Setting be less than the Hours and Minutes of the *Moons* Shining, you must add 12 Hours thereto, and that gives you the time you enquire after. These Rules are so short and plain, here needs no Example. However, I'll give you one.

It's desired to know when the *Moon* Rises, January 1. day, 1700. By the Calendar I find the *Moons* Age to be 21 Days, Decreasing: With which entering the first Column of this Table, against it in the second Col. I find the *Moons* Shining to be 7 h. 12 min. which subtracted from 8 h. 2 min. (the time of *Sun* Rise that day as appears by the Table thereof) leaves the *Moon's* Rising, 0 h. 50 min. *more*. Work after the same manner for her Setting, and you have your desire near enough for common Use, at any time; though not for preciseness, by reason of the *Moon's* Latitude, various Motion, &c.

January hath XXXI Days.

The *MAGI* by a *STAR* to * *Bethlehem* come, * *Jan. 6.*
 Bringing choice *Presents* to their New-born *SUN*.
 They offer *GOLD* unto him as a *King*!

And, as a *Priest*, rich *Incense-Offering*.

That *Christians*, like them, may our *Lord* adore,
 With humble *Hearts* and *Minds* for evermore.

M.D.	W.D.	Saints days, Etc.	☉	☿	♂	♀	☽	☿	☽	Moon At pecks, &c.	☾				
d.	h	m	d.	h	m	d.	h	m	d.	m.	A.				
1	a	Epiphany	21	27	7	0	13	29	6	1	12	48	Cloudy,	21	
2	b	Oct. Steven.	22	28	22	0	13	m	7	0	25	53	☐ ♂ ♀.	22	
3	c	Oct. Johan.	23	29	36	0	13	0	8	8	41	m	41	△ h ♂.	23
4	d	Oct. Innoce.	24	30	49	0	13	1	10	29	21	13	windy,	24	
5	e	Edward &c.	25	32	0	0	14	1	11	27	3	↑	34	♂ ☉ ♀.	25
6	f	Epiphany	26	33	10	0	14	2	12	26	15	43	dark Sky.	26	
7	g	a p. Epiph.	27	34	19	1	14	2	13	25	27	47	Rain and	27	
8	a	Erhardus, B.	28	35	28	1	14	2	15	24	9	42	great	28	
9	b	Adrian. Ab.	29	36	36	1	15	3	16	22	21	34	Winds	29	
10	c	Paulus Ere.	30	37	42	1	15	3	17	21	3	25	☽ Apogeo.	30	
11	d	Hyginus, M.	1	38	47	1	15	4	18	20	15	13	are now	1	
12	e	Satyrus, M.	2	39	53	1	15	4	20	19	27	5	stirring.	2	
13	f	a p. Epiph.	3	40	58	1	15	5	21	18	9	3	☽ cum ☿.	3	
14	g	a p. Epiph.	4	42	4	1	16	5	22	17	21	9	Foggs,	4	
15	a	Maurit. Ab.	5	43	5	1	16	6	23	17	3	27	☐ ☉ ♂.	5	
16	b	Marcell. P.	6	44	13	2	16	6	25	17	16	0	Frosty,	6	
17	c	Antonius, A.	7	45	17	2	16	7	26	D. 28	56		Misly,	7	
18	d	S. Prisca, V.	8	46	19	2	17	7	27	17	12	14	♂ ♀ ♀.	8	
19	e	Ponrian. P.	9	47	20	2	17	8	28	17	25	59	ferè.	9	
20	f	Fab. & Seb. M.	10	48	17	2	17	8	30	18	10	11	inclin'd	10	
21	g	a p. Epiph.	11	49	12	2	17	9	1	18	24	48	to Snow,	11	
22	a	Vincent. B.	12	50	5	2	18	9	2	19	9	44	♂ h ♀.	12	
23	b	Fast begins	13	50	56	2	18	10	3	19	24	55	☽ Perigeo	13	
24	c	Fast, 12	14	51	47	3	18	10	5	20	10	4	or Rain.	14	
25	d	Conv. S. Paul.	15	52	36	3	18	10	6	2	25	9	Fair	15	
26	e	Polycarp. B.	16	53	23	3	18	11	7	21	9	58	☽ cum ☿.	16	
27	f	Chrysoft. B.	17	54	8	3	19	11	8	22	24	26	again.	17	
28	g	Septuages.	18	54	53	3	19	12	10	23	3	31	Windy	18	
29	a	S. Gildas, Ab.	19	55	37	4	19	12	11	24	22	7	and wet	19	
30	b	S. Charles, M.	20	56	20	4	19	13	12	25	5	m	16	△ ♂ ♀.	20
31	c	Nolascus, C.	21	57	1	3	19	13	13	26	18	5	at the end.	21	

January, 1700.

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Last Quarter, ☾ 2 day, at 5 morning.
New Moon, ● 10 day, at 4 Morning.
First Quarter, ☾ 18 day, at 5 Morning.
Full Moon, ● 24 day, at 9 at Night.
Last Quarter, ☾ 31 day, at 7 Evening.
Planets in clear Nights, may be seen South-West.

English Account.
Roman Account.

Lunar Aspects.

Observations.

Something touching the Planetary Bodies, from the Learned Mr. *Edw. Graham*, wrote near an 100 Years since, but never printed.

I. That the Planets are Round, Solid, Induraphanous, Impure, Gross, and Material Bodies, most of them (*præter D*) as great, or greater than the Earth, and in all respects like unto it, freely moving without the Heavens, or Heavenly help.

Such is the insufficiency of Humane Reason, that nothing is in any measure known unto us but by way of Circumstance. For supply of which defect, we are forc'd to impose, not only Names and Notes for the several distinctions of Things, but also by comparative Reason of one thing with another, in Quantity, Quality and Position, to aim at the appearance thereof. In consideration of which necessity, I will content my self with the usual Nomenclature of this Subject.—

On 3 January 30. 1648. King Charles the 1. was barbarously Murdered at his own Palace-Gate, by his own wicked Subjects.

Oh Pious Prince! 'twas Englands Sin, not Thine, That cou'd thee Change this Life for that Divine.

☉	☿	♂	♀	♂	♀
1 11	☐	☐			
2 12	17	△	○	♂	☐
3 13	7	*	6	22	7
4 14	*	☐	8		*
5 15	7	17		*	12
6 16				16	
7 17	*		*		
8 18	5	♂	8		
9 19	♂	9	☐	♂	
10 20	16		23	♂	
11 21					
12 22	♂	△	5		
13 23	17	*	13	*	
14 24		11		16	
15 25	*	☐			
16 26	3	23	*	☐	
17 27	☐	*	♂	17	1
18 28	17	4	△	14	△
19 29	☐	7	☐	9	
20 30	△	10		4	
21 31	2	△	△	△	
22 1		13	♂	23	11
23 2		13		15	
24 3	♂		☐		
25 4	9	♂	1	♂	
26 5	12	△	*	19	△
27 6		15	2	20	
28 7	△	☐			
29 8	20	△	18		☐
30 9	20		♂	△	3
31 10	☐	*	13	14	*

February, 1700.

New Moon, ● 8 day, at midnight.
 First Quarter, ☾ 16 day, at 3 Afternoon.
 Full Moon, ● 23 day, at 7 morning.

Now expect Luxuriant Tides; not lessened by
 the ☉ ☽ in ♋.

D.	h.
1	15
6	15
11	14
16	14
21	14
26	14

English Account.

Roman Account.

Lunar Aspects.

Observations.

☉	☽	☿	♂	♀	♂	♀
1	11	☐				*
2	12	*	♂		☐	
3	13	23	*		4	
5	15	17		♂	15	*
6	16			3	1	♂
7	17			☐	4	
8	18	♂	♂		6	
9	19	12	19	△		
10	20		*	20	♂	
12	22		5	15	*	18
13	23	*	*	15		
14	24	17	15	♂	☐	
15	25		☐	23	16	*
16	26	☐	22		18	△
17	27	3			21	
19		△	△		☐	
20		10	2	♂	△	2
21	3			8	2	△
22	4	♂	♂		☐	5
23	5	19	5	△	*	11
24	6			11	6	♂
25	8			☐	20	
27	9	△	11	*		4
28	10	10	☐	20	16	☐
29	11	20			△	20

To use then, the Antient Names, There be VII. movable Bodies among the infinite number of those visible Lamps in the Firmament, called *Planets*. Their Names, in some sort intimating their difference from the rest. So call'd, not that their Motion is at Random, or without proportion; for it is Regular: but, in regard of the singular liberty that is apparent in their proper Motion. For, whereas all the other vast number of Stars are fix'd in one Pavement (as it were) or Concameration, without any positive alteration: the other VII. have each a Firmament subordinate one with another, according to which privilege they discover great appearance of variety. For, notwithstanding the regular Analogy of their Periods to their proper Orbs or Centers, their Revolutions are very Anomalous, and Appearances very Paradoxical. The regard whereof hath been the chiefest Reason for the Imposition of their Names.

☞ On the 6th day, 1684. that most Excellent Monarch, King Charles II. left this Life for a better. 'Tis observable, that a mighty Comet some time before came to give Notice thereof by Ringing of his Princely Knell.

March hath XXXI Days.

GABRIEL, (the Strength of God) from th' Holy Choir,
Appointed is the blefs'd *Ambassadour*,
To bear to Vertuous **MARY** th' happy News,
That she's the *Pious Virgin* Heav'n doth *chuse*
To bring forth **JUDAH's LYON**! and to be
For that blefs'd Work, *Bles'd to Eternity*.

M.D.	W.D.	Saints days, Etc.	☉	☿	♂	♀	☾	♂	☿	☾	♂	☿	☾	Matural Af- fects, &c.	☾	A.
			d.	r.	h	☿	♂	♀	☾	d.	m.					
1	d	S. David, B.	22	3	38	7	25	23	20	9	21	32	moderate.	☾	1	1
2	e	S. Chadd. B	23	3	19	7	26	23	21	11	3	45	△ ☉ ♂.	☾	2	2
3	f	S. Leut.	24	2	58	7	26	23	23	13	15	47	inclin'd	☾	3	3
4	g	Lucius, P.M.	25	2	35	7	26	24	24	14	27	40	to Frost.	☾	4	4
5	a	Victorin. B.	26	2	11	7	26	24	25	16	8	30	* ☉ ♀.	☾	5	5
6	b	Fridolin. Ab.	27	1	44	8	26	24	26	18	20	18	☐ ♀ ♀.	☾	6	6
7	c	Aquin. D.C.	28	1	5	8	26	25	27	20	2	9	☾ cum ☿.	☾	7	7
8	d	Fœlix, B.M.	29	0	44	8	27	24	29	22	14	3	☾ Apogæo.	☾	8	8
9	e	Alvered. Ab.	☿	0	11	8	27	25	☿	24	27	5	△ ♂ ♀.	☾	9	9
10	f	Mid-Leat S.	0	59	36	8	27	25	1	25	9	12	mist, and	☾	10	10
11	g	Oswin. K.M.	1	59	0	8	27	25	2	27	22	29	* ☿ ♀.	☾	11	11
12	a	Gregory ma.	2	58	21	8	27	25	4	29	5	59	mistle.	☾	12	12
13	b	Wiganus, M	3	57	40	8	27	25	5	☿	18	40	Fair	☾	13	13
14	c	Theodore M.	4	56	57	9	28	25	6	3	2	30	again.	☾	14	14
15	d	Eufracius, M.	5	56	10	9	28	25	7	5	15	54	☉ ☉ ♀.	☾	15	15
16	e	Adaman, Ab.	6	55	20	9	28	25	8	7	29	30	* ☿ ♀.	☾	16	16
17	f	Passion-Sun	7	54	30	9	28	25	10	9	13	28	Winds	☾	17	17
18	g	Edwardus, K.	8	53	37	9	28	25	11	11	28	0	stirring,	☾	18	18
19	a	S. Joseph. C.	9	52	42	9	28	25	12	13	12	28	☾ Perigæo.	☾	19	19
20	b	Cuthbert. B	10	51	45	9	28	26	13	15	27	22	☾ cum ☿.	☾	20	20
21	c	Benedict. A.	11	50	47	9	29	26	14	17	11	28	some	☾	21	21
22	d	Paulinus, B.	12	49	46	9	29	26	16	20	26	23	Rain.	☾	22	22
23	e	Pialas, &c. M.	13	48	43	10	29	☿	17	22	10	13	Frosts	☾	23	23
24	f	John-Sund.	14	47	38	10	29	26	18	24	25	7	sometimes.	☾	24	24
25	g	Ammon. B.V	15	46	29	10	29	26	19	26	8	57	Winds	☾	25	25
26	a	Castorius, M.	16	45	19	10	29	25	20	28	22	3	☐ ☿ ♀.	☾	26	26
27	b	Martian. M	17	44	6	10	29	25	22	☿	5	7	☾ now rise.	☾	27	27
28	c	Maunty-Th	18	42	51	10	29	25	23	2	17	34	Rain	☾	28	28
29	d	Good-Feld	19	41	33	10	☿	25	24	4	29	43	at the	☾	29	29
30	e	Patronus, B	20	40	13	10	0	25	25	6	11	41	☉ ♂ ♀.	☾	30	30
31	f	Easter-day.	21	38	52	10	0	25	26	7	23	28	end.	☾	31	31

March, 1700.

D.	W.
1	13
6	13
11	13
16	13
21	12
26	12

Last Quarter, ☾ 1 day, near Noon.
 New Moon, ● 9 day, at 5 Afternoon.
 First Quarter, ☽ 17 day, at 11 at Night.
 Full Moon, ● 23 day, at 5 Afternoon.
 Last Quarter, ☾ 31 day, at 5 Afternoon.
 Four Planets Oriental bode a forward Spring.

English Account.

Lunar Aspects.

Observations.

	☉	☿	♂	♀	♂	♀
1	12	☐			Δ	
2	13	○	*			*
3	14	☉	☿	♂	☐	16
4	15	18	20	16	15	
5	16					
6	17			☐	*	
7	18	♂		6	11	
8	19	9	*	Δ		♂
9	20	♂	22	18		15
10	21	5				
11	22		☐		♂	18
12	23	*	7			
13	24	3	Δ	♂		
14	25	*	☐	14	9	*
15	26	3	9			○
16	27	☐	Δ		*	☐
17	28	11	13	♂	Δ	14
18	29	Δ	23	18	☐	21
19	30	18		☐	22	Δ
20	31	♂	20			○
21		19	*	Δ		
22			Δ	22	4	
23	3	♂	4		♂	
24	4	5	☐			12
25	5	Δ	7	♂		
26	6	2	*	♂	21	
27	7	☐	14	6		
28	8	Δ	10			
29	9	3	*			♂
30	10	21				9
31		☐	♂	*	Δ	

—But of their real Entity, what it is, hath not fully or reasonably been determin'd. For most *Philosophers* and *Divines* have Opinion'd, That the Stars are of the same Matter that their Heaven is of: or more properly, *Densior pars sui Orbis*; the thicker part of his Orb. But, how vain and senseless that Opinion is, I have elsewhere demonstrated. And, to give you some taste thereof, consider, whether such a Tartar-like agglomeration, or feculent residence from a convex'd Sphere, (for *intra Orbem*, it may be, *ex hypothesi*) can accrew into such a Form as an Orbicular or Pillalar Mass, (such as the Planetary Bodies are) and occupy not rather the Center of the Sphere, than the Circumference. Equal Confluence requires equal Distance; and equal Distance no where, but in, and to the Center: and Central adherence admitteth not Motion in Longitude. *Ergo*, no Central Conflux.

On the 9th day, Anno 1648. the three most Noble Lords, viz. Duke of Hamilton, Earl of Holland, and Lord Capel were (for their Loyalty to their Sovereign) beheaded. — The Cause Glorious Their Punishment most Barbarous.

April hath XXX Days.

The Evangelist Saint *MARK*, his Gospel penn'd
 From pious *PETER*'s Mouth : (the Churches Friend.)
 To whom he was Disciple, and ally'd :
 Who to *Christ*'s Flock prov'd a most faithful Guide.
CYPRUS retains his Honour ! *VENICE* can't
 Subsist without him. He's her Titular Saint.

M.D.	W.D.	Saints days, etc.	d.	r.	u.	×	∞	♂	♀	♂	♀	d.	m.	Notes	A
1	a	Agelbert, B.	22	37	30	10	0	25	28	9	5	13	13	* h ♀.	23
2	a	Mary in Egy.	23	36	7	11	c	25	29	11	17	2	2	D Apogeo.	24
3	b	Richardus, B	24	34	40	11	c	25	11	13	28	55	Δ	Υ ♀.	25
4	c	Ambros. B.D	25	33	11	11	c	25	1	14	11	X	1	☾ cum ☿.	26
5	d	Vincent. B.	26	31	40	11	0	24	2	16	23	21	21	Pleasant	27
6	e	Elstannus, B.	27	30	8	11	0	24	4	17	5	Υ	58	Spring-	28
7	f	LOW JUNE.	28	28	32	11	0	24	5	18	18	53	53	like Air.	29
8	g	Dionys. A.	29	26	55	11	1	24	6	20	2	♂	3	Some wet.	30
9	a	Frichstan. B.	30	25	17	11	1	24	7	21	15	28	28	☐ ☉ Υ.	1
10	b	Paternus, M.	1	23	38	11	1	23	8	22	29	1	1	Windy,	2
11	c	Leo, I. Papa.	2	21	55	11	1	23	9	23	12	11	45	♂ ♂ ♀.	3
12	d	Mathilda, V.	3	20	11	12	1	23	11	23	26	33	33	☐ h ♀.	4
13	e	Elfreda, V.	4	18	23	12	1	23	12	24	10	26	26	Snow	5
14	f	2 p. Easter.	5	16	34	12	1	22	13	25	24	27	27	or Sleet,	6
15	g	Olympia, V.	6	14	43	12	1	22	14	25	8	28	28	with Hail.	7
16	a	Tr Alban. M	7	12	51	12	1	22	15	26	22	37	37	☾ Perigeo.	8
17	b	1 p. Easter.	8	10	56	12	1	22	16	26	6	49	49	☾ cum ☿.	9
18	c	Elutheri. M.	9	9	1	12	1	21	18	26	21	4	4	Apt to	10
19	d	Alphegus, B.	10	7	2	12	1	21	19	27	5	16	16	Frosts	11
20	e	Ceadwal. K.	11	5	2	12	2	21	20	27	19	21	21	these	12
21	f	3 p. Easter.	12	3	1	12	2	20	21	R	3	13	13	* ☉ h.	13
22	g	Sorhe. etc. M	13	0	59	12	2	20	22	27	16	49	49	Days.	14
23	a	3. George, M	13	58	55	12	2	20	23	27	0	4	4	Turbulent	15
24	b	Fast.	14	56	48	13	2	19	25	26	12	57	57	Weather	16
25	c	6. Mark.	15	54	41	13	2	19	26	26	25	27	27	near at	17
26	d	3. Cler. P.M.	16	52	30	13	2	19	27	25	7	39	39	hand,	18
27	e	Anastafius, B	17	50	18	13	2	18	28	25	19	35	35	☉ ☉ ♂.	19
28	f	4 p. Easter.	18	48	4	13	2	18	29	25	1	22	22	perhaps	20
29	g	Paulus, B.M.	19	45	48	13	2	17	30	24	13	8	8	Thunder.	21
30	a	Car. de Siena.	20	43	31	13	2	17	1	24	24	55	55	☾ Apog.	22

April, 1700.

D. 68
1 12
6 12
11 11
16 11
21 11
26 11

Moon, ● 8 day, at 7 morning.
First Quarter, ☾ 15 day, at 6 morning.
Full Moon, ● 22 day, at 7 morning.
Last Quarter, ☾ 30 day, at 3 morning.

Fortunes in human Signs, bode Good to Mankind.

Lunar Aspects.

Observations

Roman Account.
English Account.

☉	☿	♂	♂	♂	♂
1 12		♂		♂	♂
2 13	*				8
3 14	13	♂	15	♂	
4 15	23			*	
5 16		*	♂	*	7
6 17		13	21		
7 18	♂	♂			
8 19	19	*	21		
9 20		16	♂		
10 21		♂	♂	14	9
11 22		20	2	16	
12 23	*				
13 24	11	♂	♂	*	
14 25	♂	♂	♂	18	23
15 26	18	11	♂	*	
16 27			20	8	♂
17 28	♂	*	♂	3	
18 29	1	7	♂	23	16
19 30		17		8	
20 31		♂	♂	♂	
21 1	♂	♂	21	1	
22 2	3	19	♂	♂	
23 3	4	♂	*	6	18
24 4		23	3		
25 5				♂	
26 6				♂	
27 7	♂	*	*	♂	
28 8	20	9	21	♂	
29 9		♂		11	
30 10	♂	♂	♂	♂	
31 11	15		8	♂	21

—And, if the Stars possess the Circumference (as for Provection is necessary) how then can they be Spherical or Globous? having neither confluent distance, nor yet admitted to expatiate their Orbs, for fear of Orbical Penetration. The one of which, Necessity and their own Position presupposeth; and the other too absurd to be admitted. Both which either or neither denyed, or granted, (*invita Minerva*) infers like Parallelity of Inconvenience. But, how vain the fear of Orbical Penetration is; the Insequence of this Discourse shall fully prove. Mean time, let this small excursion induce every one to believe, (as greater Reasons have occasion'd me to define) That the Planets are Round, Solid Bodies, Indisaphanous, and void of all Light: Fram'd, Form'd and Dispos'd by the Hand of the Eternal-Sapient-Architect, for the use of contemplative Creatures; freely moving in Space, without Heaven, or the Heaven's Help.

On the 19th day, Anno 1665. the Noble and Fruitful Island of JAMAICA was Taken by the Valourous English. And Major General HAINES lost his Life in the Storming of Santa Jago, the chief City thereof.

May hath XXXI Days.

The *Holy Ghost* who shews the *CHURCH* her way, *29. May. Writ
Appoints no *Saint* its *OFFICE* on this * Day: ten by the No
Yet, by *Divine Foresight* reserv'd a Room ble Lady, *E.W.*
To be supply'd by *One* that was to come. Anno 1661.

Which here's fulfill'd! and now the thankful *Earth*,
Does keep it *HOLT* for King *CHARLES* his Birth.

M.D.	W.D.	Saints days, &c.	☉	☽	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Mutual Af- pears, &c.	☾
d.	r.	h.	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♐	♑		
1	b	S. Phil. & Jac.	21	41	13	13	2	17	3	23	6	40	♎	♑	♑	♑	♑	D cum ☽.	23
2	r	Athanasius, B.	22	38	55	13	2	16	4	23	18	58	♏	♏	♏	♏	♏	♏	24
3	d	Invent. S.	23	36	37	13	2	15	5	22	1	23	♎	♑	♑	♑	♑	Windy,	25
4	e	Echelred. K.	24	34	13	13	2	15	6	22	14	10	♎	♑	♑	♑	♑	some	26
5	f	Rogation.	25	31	51	13	2	15	7	21	27	19	♎	♑	♑	♑	♑	moisture.	27
6	g	Jo. Port. Lat.	26	29	27	13	2	15	8	20	10	29	♎	♑	♑	♑	♑	Pleasant.	28
7	a	Juvenal, M.	27	27	1	13	2	15	9	20	24	38	♎	♑	♑	♑	♑	Rain	29
8	b	Stanislaus, B.	28	24	34	13	R	14	10	19	8	38	♎	♑	♑	♑	♑	or Hail.	30
9	c	Holy-Thurs.	29	22	7	14	2	14	12	19	22	43	♎	♑	♑	♑	♑	♑	31
10	d	Gothard. M.	11	19	38	14	2	14	13	19	7	2	♎	♑	♑	♑	♑	♑	4
11	e	Mamertius, B.	1	17	7	14	2	13	14	18	21	14	♎	♑	♑	♑	♑	♑	5
12	f	6 p. Easter.	2	14	35	14	2	13	15	18	5	23	♎	♑	♑	♑	♑	♑	6
13	g	Term ends.	3	12	2	14	2	13	16	18	19	26	♎	♑	♑	♑	♑	♑	7
14	a	Boniface, B.	4	9	27	14	2	12	17	18	3	26	♎	♑	♑	♑	♑	♑	8
15	b	Dympna, V.	5	6	51	14	2	12	18	17	19	29	♎	♑	♑	♑	♑	♑	9
16	c	Ubaldu, B.C	6	4	14	14	2	12	19	18	1	9	♎	♑	♑	♑	♑	♑	10
17	d	Tr. Bernard.	7	1	36	14	2	12	20	18	14	54	♎	♑	♑	♑	♑	♑	11
18	e	Venantius, M	7	53	55	14	2	11	21	18	28	33	♎	♑	♑	♑	♑	♑	12
19	f	Pentecost.	8	56	16	14	2	11	23	18	12	31	♎	♑	♑	♑	♑	♑	13
20	g	Whit-Mond.	9	53	35	14	2	11	24	19	25	17	♎	♑	♑	♑	♑	♑	14
21	a	Whit-Tues.	10	50	53	14	2	11	25	19	8	7	15	♎	♑	♑	♑	♑	15
22	b	Ember-wee.	11	48	10	14	2	11	26	20	20	59	♎	♑	♑	♑	♑	♑	16
23	c	Desiderius, B	12	45	27	14	2	10	27	20	3	24	♎	♑	♑	♑	♑	♑	17
24	d	Ember-day.	13	42	43	14	2	10	28	21	15	33	♎	♑	♑	♑	♑	♑	18
25	e	Ember-day.	14	39	58	14	2	10	29	22	27	29	♎	♑	♑	♑	♑	♑	19
26	f	Trinity-Sun.	15	37	10	14	2	10	30	23	9	19	♎	♑	♑	♑	♑	♑	20
27	g	Beda Venera	16	34	22	14	2	10	1	23	21	3	♎	♑	♑	♑	♑	♑	21
28	a	S. Jonas, Ab.	17	31	34	14	2	10	2	24	2	49	♎	♑	♑	♑	♑	♑	22
29	b	K. Char. II. N	18	28	45	14	2	9	3	25	14	44	♎	♑	♑	♑	♑	♑	23
30	c	Corpus X.	19	25	56	14	2	9	4	26	26	51	♎	♑	♑	♑	♑	♑	24
31	d	Term begins	20	23	7	14	2	9	5	27	9	16	♎	♑	♑	♑	♑	♑	25

May, 1700.

New Moon, ● 7 day, at 6 Afternoon.
 First Quarter, ☾ 14 day, at 11 Before-noon.
 Full Moon, ● 21 day, at 5 Afternoon.
 Last Quarter, ☾ 29 day, at 7 Evening.

In clear Evenings ☾ may be seen Westward.

D. 6
 in 110
 610
 1110
 169
 219
 269

English Account.
 Roman Account.

Lunar Aspects.

Observations.

English Account.	Roman Account.	☉	☿	♂	♂	♀	♂
1	12						
2	13	*	12		19	*	
3	14	7		*		□	6
4	15			1		7	
5	16			□		*	
6	17	*	9	♂	20		
7	18	♂	5	△	8		17
8	19	6	□	13			
9	20		9				
10	21		△		♂	*	
11	22	*	10	♂	10	9	18
12	23		17	□		□	
13	24	□		11		19	
14	25	23	♂	*	*	△	
15	26	16	△	13	23	22	
16	27	△		23			
17	28	7		□			
18	29		□	♂	9		
19	30	△	5	22	△	♂	
20	31	3	*		20	11	
21	1	♂	□	12			
22	2	5	11				
23	3	*		*			
24	4	21		13		△	
25	5		♂	♂	11		
26	6	△		8	□	2	
27	7	13		0		□	
28	8	♂		△		4	
29	9	□	22	13		*	
30	10	7	*		△	22	
31	11	*		8	15		

—Every Planet of such a System, as affordeth materiality, subsistency, and composition of Generable Creatures, being most of them greater by many degrees than this Orb we inhabit, and few of them lesser: their difference from the innumerable multitude of fix'd Stars is very small, except in the liberty of Motion, and Corporal appearance as before said. For some of them seem greater than some of the fixed Stars; as *Jupiter*, *Venus*, *Luna*, &c. and *Mars* sometimes, especially when in *Perigee*. For, at such a time I have observed him to equalize *Jupiter* in magnitude, and suit him in colour. His Redness being nothing else but an apparent Lustre acquired by his greater Elongation, and deeper Immersion in Airy Crassitude.

On the 29th day, Anno 1630, King Charles the II. was born. And on the same day, Anno 1660, (after a XII Years Banishment,) Return'd Triumphantly to his rightful Throne, and Government of these Three Kingdoms.

B

June hath XXX Days.

Saint * **BARNABAS** this *Tropick Month* doth grace;
 A Man by Birth of *Apostolick-Race*. * *June 11th.*
 His Name speaks **CONSO**LATION! but much more
 His Preaching **CHRIST** unto both *Rich* and *Poor*.
 With Great Saint **PAUL** He travell'd many *Stages*,
 Whose **ACTS** and **ENDS** extend unto All *Agis*.

M.D.	W.D.	Saints Days	☉	☿	♂	♀	☿	♂	♀	☿	♂	♀	☿	♂	♀	Mutual Aff.
			d.	r.	n.	h.	z.	m.	u.	o.	D.	M.				
1	e	Pamphil. M.	21	20	17	14	I	9	6	28	22	6	Curious			26
			22	17	26	14	I	9	7	29	5	♂ 20	Weather,			27
3	e	Crotildes, M.	23	14	34	14	I	9	8	II	18	57	△ ♀			28
4	a	Quirinus, M.	24	11	42	14	I	9	9	2	3	II	2	□ ♂ ♀		29
5	b	Boniface, B.	25	8	50	14	I	9	10	4	17	24	Winds			30
6	c	Norbertus, B.	26	5	58	14	I	9	11	5	1	58	♂ Dir.			1
7	d	Paulus, B. M.	27	3	6	14	I	9	12	6	16	40	& gentle			2
8	e	Medardus, B.	28	0	13	15	I	9	13	8	1	18	Showers.			3
			28	57	20	15	I	9	14	9	15	51	Pleasant.			4
10	b	Onuphrius, B.	29	54	26	15	0	9	15	11	0	10	♂ cum ☿			5
11	a		30	51	31	15	0	9	16	13	14	15	♂ Phig.			6
12	b	Basilides, B.	1	48	36	15	0	9	17	14	28	7	□ h ♀			7
13	c	Anronius, Ab.	2	45	41	15	0	9	18	16	11	46	Winds			8
14	d	Basil. magn.	3	42	46	15	0	10	19	18	25	11	stirring,			9
15	e	S. Vitus &c. M.	4	39	50	15	0	10	20	20	8	11	♀ ♀			10
			5	36	54	15	0	10	21	22	21	29	but not			11
17	b	Botolphus, A.	6	33	58	15	0	10	22	24	4	21	hurtful.			12
18	a	Marcus &c. M.	7	31	1	15	0	10	23	26	16	59	Some wet			13
19	b		8	28	4	15	0	10	24	28	29	27	about			14
20	c	Tr. Edw. K.	9	25	8	15	0	10	25	30	11	41	this time.			15
21	d	Walburga, V.	10	22	12	14	29	11	26	2	23	44	△ ☉ ♂			16
22	e	S. Alban. M.	11	19	17	14	29	11	26	4	5	36	Moderate,			17
			12	16	23	14	29	11	27	6	17	25	pleasant.			18
24	b	S. John Bap.	13	13	26	14	29	11	28	8	29	13	♂ cum ☿			19
25	a	Amphibal. M.	14	10	35	14	29	11	29	10	11	1	△ ☉ h			20
26	b	Jo. & Paul, M.	15	7	41	14	29	12	11	13	22	55	△ ♂ ♀			21
27	c	Levinus, B. M.	16	4	48	14	29	12	1	15	5	3	△ h ♀			22
28	d	Leo II. Papa.	17	1	55	14	28	12	2	17	17	26	♂ ☉ ♀			23
29	e	S. Pet. & Paul	17	59	2	14	28	13	2	19	0	12	Wer, and			24
30		S. p. Trinity	18	56	9	14	28	13	3	21	13	22	windy.			25

June, 1700.

D.	50
1	5
6	8
11	8
16	8
21	8
26	7

New Moon, ● 6 day, at 2 Morning.
 First Quarter, ☾ 12 day, at 5 Afternoon.
 Full Moon, ● 20 day, at 6 Morning.
 Last Quarter, ☾ 28 day, at 10 morning.

In clear Nights ☽ may be seen Eastward.

English Account.
 Roman Account.

Lunar Aspects.

Observations.

☉	♈	♉	♊	♋	♌	♍
1 12 *		□				
2 13 *	17	♂	□			
3 14	16	△	8	4		
4 15	□	21		*	♂	
5 16	♂	19		12	○	
6 17	14	△		△		
7 18		♂	12			
8 19		23	□	♂	*	
9 20 *			12	20	11	
10 21	♂		*		□	
11 22		23		13	19	
12 23	□		△			
13 24	5		2	*	△	
14 25	△		□	10	7	
15 26	15	△	7	♂	□	
16 27		10	*	1	22	
17 28		□	14			
18 29		18		△	♂	
19 30	♂		*	11	19	
20 1	18	*	21			
21 2	5	♂				
22 3		10	□			
23 4			19	♂		
24 5			21	△		
25 6	△	♂	△	19		
26 7	5	○	*	0		
27 8	□		10		□	
28 9	22		□		22	
29 10		20	3	△		
30 11	*		23	4	*	

—And this may also be the reason of the like Colour in the Planet *Mercury*, for his similar distance from us, as their conferr'd Parallax shews, double very near to that of the *Sun*, as shall in time, (if God grant leave and means,) be most fully made good, beyond what hath been therein yet experimented. Albeit, they may be discern'd by some other Note from the rest of the Stars; and that is, their stability and ejaculation of Beams. For, all the Planets or Erratick Stars flame out every way like to a round Lamp, and without trembling; but the fix'd Stars (like to so many Diamonds) never cease twinkling and sparkling (as it were) in the Firmament.

On *June* the 1st, 2d and 3d days Anno 1666, were repeated so many Bloody Engagements between the *English* and *Dutch* Fleets: wherein many Gallant Men on both sides were slain. And the *English*, in conclusion, came off Victors.

July hath XXXI Days.

The sacred VIRGIN, Saint *ELIZABETH*

On th' *second Day*, most kindly *visiteth*.

Saint *MARGARET*, on the Twenty'th *Crucify'd*;

To shew her *Zeal*, she for her SAVIOUR dy'd,

As *be* before for *her*. — Just *Gratitude!*

Can neither *Tortures*, or Grim *Death* elude:

M.D.	W.D.	Saints days	d.	r.	h.	☿	♂	♀	♂	♀	d.	m.	Mutual Aff.	☿
1	a	Romwald. A.	19	53	16	14	28	13	4	23	27	0	Fair and	26
2	a	Winn. B. V.	20	50	24	14	28	13	5	26	11	II	warm.	27
3	b	Hyacinth: M.	21	47	33	14	28	14	5	28	25	34	♂ ♀ ♀.	28
4	c	Eliz. Q. Port.	22	44	42	14	28	14	6	10	22	22	△ h ♂.	29
5	d	Anselmus, B.	23	41	52	14	28	14	7	2	25	20	Rain and	●
6	e	Sexburga, Q.	24	39	3	14	28	15	8	4	10	23	Winds,	2
7	f	6 p. Trinity.	25	36	13	14	27	15	8	6	25	18	☿ cum ♀.	3
8	g	Mary Q. Scot.	26	33	24	14	27	15	9	8	10	1	♂ ☉ ♀.	4
9	a	Ethelbur. Qu.	27	30	36	14	27	16	10	10	24	25	☿ Perigæo.	5
10	b	Ruffin &c. M.	28	27	49	14	27	16	10	12	8	30	Like to	6
11	c	Pius, Papa.	29	25	2	14	27	17	11	14	22	10	Thunder	7
12	d	Gaulbert. B.	30	22	16	14	27	17	12	16	5	m	in some	8
13	e	Anacletus, P.	1	19	30	14	27	17	12	17	18	34	☐ ♂ ♀.	9
14	f	7 p. Trinity.	2	16	45	14	26	18	13	19	1	20	places.	10
15	g	S. Andrew.	3	14	1	14	26	18	13	21	13	52	Windy,	11
16	a	Osmundus, B.	4	11	16	14	26	19	14	23	26	12	♂ h ♀.	12
17	b	Alexius, C.	5	8	33	14	26	19	14	24	8	22	cool	13
18	c	Simphor. M.	6	5	52	14	26	19	15	26	20	24	Dog-days,	14
19	d	Diamanus, M.	7	3	12	14	26	20	15	28	2	18	and some	15
20	e	S. Margat.	8	0	32	13	26	20	15	29	14	9	Rain.	16
21	f	8 p. Trinity.	8	57	55	13	26	21	16	31	15	57	☿ Apogæo.	17
22	g	Mary Magda.	9	55	19	13	25	21	16	2	7	46	☿ cum ☿.	18
23	a	Apollinar. M.	10	52	45	13	25	22	16	4	19	48	Warm	19
24	b	Raff.	11	50	12	13	25	22	17	6	1	41	toward	20
25	c	S. James.	12	47	41	13	25	23	17	8	13	50	the end;	21
26	d	Anna, M. V.	13	45	12	13	25	23	17	8	26	14	possibly	22
27	e	Sept. Dorin.	14	42	44	13	25	24	17	9	3	56	Thunder,	23
28	f	10 p. Trinity.	15	40	17	13	25	24	17	11	22	1	& blustering	24
29	g	Martha, V.	16	37	51	13	25	25	18	12	5	29	* ♀ ♂.	25
30	a	Abdo. &c. M.	17	35	26	13	25	25	18	13	19	24	♂ h ♀.	26
31	b	Ignat. Loyol.	18	33	1	13	24	26	18	15	3	46	Air.	27

July, 1700.

D. 80
10
1
6
11
16
21
26

New Moon, ☉ 5 day, at 5 morning.
First Quarte, ☾ 12 day, at 1 morning.
Full Moon, ☉ 19 day, at 9 Evening.
Last Quarte, ☾ 27 day, at 10 at Night.

Planets in cold signs never produce excessive Heat.

English Account.
Roman Account.

Lunar Aspects.

Observations.

English Account.	Roman Account.	☉	☾	♂	♀	♂	♀
1	12		△		□	*	
2	13	□	2		13		
3	14	6			*		
4	15	♂	△	♂	18		
5	16	22	7	♂	7	♂	
6	17			4	1	13	
7	18				8	♂	
8	19	♂	*	*	22		
9	20	*	7	△	9		
10	21	5	4		*		
11	22	□	□		6		
12	23	13	△	7	♂	*	□
13	24	△	14	*	20	10	20
14	25	23	□	14	□		
15	26		23		21	△	
16	27				15		
17	28	*	*	*	△		
18	29	9	♂	21	10		
19	30	♂	10				
20	31	9		□			
21				11	♂		
22		♂			♂	9	
23		9	*	△	16		
24	4	△	10	3			
25	5	20	□				
26	6		20				
27	7	□	*		△	△	
28		10	7	△	♂	15	0
29	9	*	□	4	3	□	□
30	10	20	13			21	12
31	11		△		*	*	

2. That the Planets are Round.

For proof of this certain Truth we need go no further than the Evidence of our Eyes; all of them imitating equal rotundity, as the aptest form and figure for their System, as well for equal Illumination, and admission of Heat from a Central Irradiator and universal Incensor, as for the communicability thereof by refraction mutual one to the other. The which things are both of them necessary, as shall more fully appear hereafter.

On the 12th day, Anno 1660, the Lord General Monke (that happy Rector of the English MONARCH) by bringing in King CHARLES the (from Banishment) as a just Reward for his signal Loyalty, was created Duke of Albemarle, &c.

August hath XXXI Days.

Mount **TABOR** on the Sixth Day honour'd was,
 With Christ's **TRANSFIGURATION**, Glorious.
 Saint **LAWRENCE** on the Tenth Day's broyl'd to Death:
 Resigning both his **Deaconship** and **Breath**.
 Saint * **BARTHOLOMEW** (true Nephew to a King)
 Gain'd Heaven by his **Earthy Suffering**. * 24th day.

M.D.	W.D.	Saints days	☉	☿	♂	♀	♂	♀	D.	M.	peers, &c.	P.
			d.	h	m	n	u	u	D.	M.		
1	c	Lammas-day	19 30 37	12 24 26	18 16 18	30					Gentle	28
2	d	Inv. Steven.	20 28 16	13 24 27	Rx 17 3 31	♂ ♀ ♀.						29
3	e	Domicius, M.	21 25 57	13 24 27	18 18 18	41					Ecl. Inv.	2
4	f	10 p. Trin.	22 23 38	13 24 28	17 19 3	51					cum Ed.	3
5	g	Festum Niv.	23 21 20	12 24 28	17 20 18	52					Perigee.	4
6	a	Transfig.	24 19 2	12 24 29	17 22 3	34					showers,	5
7	b	Donatus, B.	25 16 47	12 24 29	17 23 17	56					and winds.	6
8	c	Cyriacus, B.	26 14 33	12 24 2	17 24 1	48					Δ ♀ ♀.	7
9	d	Romanus, M.	27 12 20	12 24 0	16 25 15	15					Pleasant	8
10	e	S. Lawrence.	28 10 10	12 24 1	16 25 28	16					good Air.	9
11	f	11 p. Trin.	29 8 1	12 23 2	16 26 10	57					Now apt	10
12	g	S. Clara, Vir.	30 5 54	12 23 3	15 27 23	19					to Winds	11
13	a	Hippolitus, M.	1 3 48	12 23 4	15 28 5	28					and Rain.	12
14	b	Eusebius, B.	2 1 43	12 23 5	14 28 17	26					Frosty	13
15	c	Assump. B.V.	2 59 40	12 23 6	14 29 29	18					mornings	14
16	d	S. Rochus, M.	3 57 35	12 23 7	14 29 11	7					& nights.	15
17	e	Agapitus, M.	4 55 40	12 23 8	13 22 56	☐ ☉ ♂.						16
18	f	12 p. Trin.	5 53 42	12 23 9	12 14 47	☐ Ecl. Inv.						17
19	g	Sebaldu, B.	6 51 46	11 23 10	11 16 53	♂ h ♀.						18
20	a	Bernard. Ab.	7 49 53	11 23 11	128 45	Turbulent						19
21	b	Richardus, B.	8 48 2	11 23 12	110 53	winds and						20
22	c	Timothaus B.	9 46 13	11 23 13	Rx 23 13	♂ ☉ ♀.						21
23	d	Fast.	10 44 27	11 23 14	15 42	♂ ☉ h.						22
24	e	S. Bartholom.	11 42 43	11 23 15	18 26	☐ ♂ ♀.						23
25	f	13 p. Trin.	12 41 1	11 23 16	11 27	Rain,						24
26	g	Zopho in. P.	13 39 12	11 23 17	14 48	☐ h ♂.						25
27	a	Dog-day	14 37 42	11 22 18	28 30	with some						26
28	b	Augusti. B.C.	15 36 6	11 22 19	29 36	unkind						27
29	c	Dec. T. B.C.	16 34 29	11 22 20	27 4	Blites						28
30	d	Agel. B.C.	17 32 55	11 22 21	28 53	and Mil.						29
31	e	Adrianus, B.	18 31 24	11 22 22	26 54	dews.						30

August, 1700.

New Moon, ● 3 day, at 5 Afternoon.
 First Quarter ☾ 10 day, at 11 Before-noon.
 Full Moon, ● 18 day, at 1 Afternoon.
 Last Quarter, ☾ 26 day, at 9 morning.

Saint Bartholomew brings turbulēt Air.

D. 1
6
11
16
21
26

Roman Account.
English Account.

Lunar Aspects

Observations.

English Account.	Roman Account.	☉	☿	♂	♀	♂	♀
1	12			♂	△		*
2	13			10	13		
3	14	♂			□		
4	15	♂	♂		15	♂	
5	16		14	△	*	22	♂
6	17			9	16		3
7	18	*			□		
8	19	13	△	10			
9	20	□	18	*		*	*
10	21	23		15	♂	1	18
11	22	□			4	□	
12	23	△	1		8	□	
13	24	13	*		△	6	
14	25		12	♂	17	△	
15	26			10	*	22	
16	27				8		
17	28						
18	29	♂	♂		□	♂	
19	30	1	12	*	♂	13	
20	31			11	△	♂	
21	Sept.			□	15	4	
22				22			
23	3	△	*		△		
24	4	9	7	△	5	△	
25	5	□	□	6	♂	21	
26	6	21	16	14	10		
27	7		△		*	□	
28	8	*	20	♂	13	2	
29	9	5		15		*	
30	10				△	3	
31	11			1	♂		

3. That the Planets are Massy and Indiaphanous.

That the Planets are Massy, Solid and Indiaphanous, the *Moons* body as nearest us, shall be our first document. For in the Solar Eclipse, (which is nothing but the *Moons* body interpos'd between us and the *Sun*) we see the *Moon* fully and absolutely to obscure so much of the Solar body from us as she covereth without any appearance of the *Sun* thorough her body at all: Which he would be seen to do (his great penetration of Heat and Light consider'd) if the *Moons* body were not merely Solid Gross, and altogether Non-Transparent. And in a total Eclipse, the *Sun* is so far from appearing through the *Moons* body that a portion of the Earth is as utterly deprived of Day-Light, as is our Common Night.

On the 29th day, 1648. those most Loyal and Valiant Gentlemen, Sir CHARLES LUCAS, and GEORGE LISLE were shot to Death, after the surrender of CO. CAMSTER upon Articles.

September hath XXX Days.

Saint MICHAEL, on the Twenty-Ninth, is said
 To fight in Heaven, and strike the DRAGON dead.
 It from that place of Rest we hear of Wars, * Michael sig
 No wonder that frail Mortals meet with Fears, nifies God.
 But, be't suppos'd, or literally true, Strength.
 'Tis through GODS * STRENGTH we warlike Lusts subdue

M.D.	Saints days	○	☾	☿	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Mutual Aff.	☾	
		d.	r.	m.	x.	v.	l.	m.	q.	d.	m.	p.	d.	m.	pects, &c.	☾	
1	4 p. Trin.	19	29	55	10	22	14	4	28	12	☾	1	D	Perigee.	●		
2	Adamant. Ab.	20	28	28	10	22	15	4	25	27	6			stormy	1		
3	Theodore, M.	21	27	4	10	22	15	3	24	11	☾	57	△	☉	☿.	2	
4	Fr. Cuthb. B.	22	25	41	10	22	10	3	23	26	27	☿	☉	☿.	3		
5	Victorin. M.	23	24	20	10	22	17	2	22	10	☾	32	△	☿	☿.	4	
6	Magnus, Ab.	24	23	1	10	22	17	2	21	24	7			weather	5		
7	Fr. Dunst. B.	25	21	45	10	22	18	2	20	7	☿	14		about	6		
8	Nata. V. M.	26	20	30	10	22	19	2	19	19	54	☉	☿		☿.		
9	Gorgonius, M.	27	19	17	10	22	19	2	18	2	☿	15		this time	8		
10	Nicholas, C.	28	18	6	10	22	19	2	18	14	19			prevails	9		
11	Protus, &c.	29	10	57	10	22	21	1	17	25	13			Pleasant	10		
12	Einswida, V.	30	15	51	10	22	21	1	17	2	☿	55		sweet	11		
13	Amantius, M.	1	14	43	10	22	22	D.	17	19	45			Air.	12		
14	Exalt. &c.	2	13	47	9	22	23	1	D.	1	☿	35		cum ☿.	13		
15	16 p. Trin.	3	12	49	9	22	23	2	17	13	30		D	Apogee.	14		
16	Cornelius, P.	4	11	51	9	22	24	2	17	25	33			Chang'd	15		
17	Lampert. M.	5	10	55	9	22	25	2	18	7	☿	47		to wet &	16		
18	Ember-week	6	10	1	9	22	25	2	18	20	11			windy.	17		
19	Janus, &c.	7	9	9	9	22	25	2	18	2	☿	46		Good	18		
20	Ember-day.	8	8	19	9	22	25	3	20	15	31			Air at	19		
21	S. Matthew	9	7	31	9	22	27	3	21	28	26			this	20		
22	17 p. Trin.	10	6	45	9	22	28	3	22	11	☿	34		time.	21		
23	S. Tecla, V. M.	11	6	3	9	22	29	4	24	24	54	△	☿	☿.	22		
24	Winibal. Ab.	12	5	23	9	22	29	4	25	8	☿	30		Misty.	23		
25	Ceolfred. Ab.	13	4	46	9	22	☿	4	25	22	22			Overcast	24		
26	Cyprian. M.	14	4	11	9	22	1	5	28	5	☿	33		for more	25		
27	Col. & Dam. V.	15	3	38	9	22	2	5	21	1				Winds	26		
28	Wencesl. A.	16	3	6	9	22	2	6	15	☿	43		D	cum ☿.	27		
29	S. Michael	17	2	37	9	22	3	6	3	20	32	☿	☿.		☿.	28	
30	Hierom. P. D.	18	2	9	9	22	4	6	5	5	☿	23		and Rain	29		

September, 1700.

D.	h.
1	4
6	3
11	3
16	3
21	3
26	2

New Moon, ● 1 day, 1 h. past midnight.
 First Quarter, ☾ 9 day, at 1 morning.
 Full Moon, ● 17 day, at 5 morning.
 Last Quarter, ☾ 24 day, at 5 afternoon.

The Δ of ☿ and ♄ helps the Harvest, &c.

Lunar Aspects.

Observations.

English Account.	Roman Account.	☉	☿	♂	♀	♂	♀
1	13	♂	Δ	□		♂	
2	13		16	4	21		
3	14		□	*			
4	15	Δ	17	6	*		
5	16		23	*	11	*	
6	17	*	21		□	19	
7	18	○	□	♂	14	□	
8	19	□	5	21	Δ	22	
9	20	13	*		22		
10	21		14	♂		Δ	
11	22	Δ	15			6	
12	23	5		*	♂		
13	24				2	23	
14	25	♂	15	*	□	♂	
15	26	♂	16	20		6	
16	27	♂	17				
17	28			□	Δ	Δ	
18	29			4	10	22	
19	30	*	11	Δ		Δ	
20	1	Δ	12	□		8	
21	2	20	18		7	□	
22	3	Δ		♂	*	20	
23	4	□	23	♂	6	14	
24	5	5		♂		*	
25	6	*		○		6	
26	7	13					
27	8			Δ			
28	9	♂	4	18	♂		
29	10			□	○	♂	
30	11			4	20	22	

—I could instance in many Eclipses which have been so dark, that they have not only terrified and amazed Men, but also so far deceiv'd and illudged unreasonable Creatures, that as toward their usual Night-time, the Birds have gone to their Nests or Roosts, and the Beasts to their Evening Dens : the Stars as plainly appearing at Noon-day, as at Mid-night. And as the Sun's often Eclipsing hath, and may be Arguments (not only to the Learned, but even to the most Ignorant) of the Moon's Grossness and Indiaphaneity ; so likewise the Learned Astronomers have from time to time observed the like Eclipses of one Planet by another, and also of the fix'd Stars by the Planets.

On the 1st, 2d, 3d and 4th Days Anno 1666, the Glorious City of London was all on Flames. A most dismal Spectacle to behold ! Let all its Inhabitants, and all other good Christian pray, that it may never suffer any more such fatal Conflagrations.

October hath XXXI Days

Upon October's Eight and Twentieth Day,
SIMON and JUDE (two Brothers) lead the way
To future Bliss. And, by their Martyrdom,
Confirm the Faith Right Christians rest upon.

Some think they *dy'd* at different times. What then?
The CHURCH commands us, *now*, to *Honour* them.

M.D.	W.D.	Saints Days.	d.	"	"	h	v	w	m	p	D.	M.	Seasons, &c.	(A.)
1	a	Remigius, B.	19	1	44	8	23	4	7	6	20	6	Sleet,	●
2	b	Leodegar. B.	20	1	22	8	23	5	8	8	4	m 35	♂ h ♀.	1
3	c	Gerard. Ab.	21	1	2	8	23	6	9	10	18	39	or Snow,	2
4	d	Franciscus, C.	22	0	44	8	23	7	9	11	2	f 18	or Hail.	3
5	e	Placid. & c. M.	23	0	28	8	24	7	10	13	15	30	☐ ☉ ♀	4
6	f	19 p. Trin.	24	0	14	8	24	8	11	15	28	14	* h ♂.	5
7	g	Marcus, P.M.	25	0	1	8	24	9	11	16	10	w 36	Mists.	6
8	a	Demetri. M.	25	59	50	8	24	9	12	18	22	40	Frosty	7
9	b	Eluther. M.	26	59	43	8	24	10	13	20	4	m 32	about this	8
10	c	Paulinus, B.	27	59	38	8	24	11	14	22	16	17	time.	9
11	d	Ethelbur. V.	28	59	34	8	24	12	14	23	28	2	☐ ♀ ♀.	10
12	e	Walfridus, B.	29	59	31	8	24	12	15	25	9	X 52	☾ cum ☽	11
13	f	20 p. Trin.	30	59	32	8	24	13	16	27	21	52	☾ Apog.co.	12
14	g	Calixtus, P.	1	59	34	8	24	14	17	28	4	V 4	Winds,	13
15	a	Teresa, V.M.	2	59	39	8	25	15	18	1	16	29	and Rain	14
16	b	Lullius, A.B.	3	59	45	8	25	15	18	2	29	8	at this	15
17	c	Ethelr. & c. M.	4	59	52	8	25	16	19	3	12	8	time	16
18	d	S. Luke	6	0	1	8	25	17	20	5	25	9	prevail.	17
19	e	Fridisvid. V.	7	0	13	8	25	17	21	7	8	II 27	♂ ☉ ♀.	18
20	f	21 p. Trin.	8	0	27	8	25	18	22	8	21	53	△ h ♀.	19
21	g	Ursula & c. M.	9	0	43	8	25	19	23	10	5	52	△ ☉ h)	20
22	a	Cordula, V.	10	1	1	8	25	20	24	11	19	9	Moderate	21
23	b	Therentia	11	1	22	8	26	20	25	13	2	Ω 58	good Air	22
24	c	Maglorius, B.	12	1	44	8	26	21	26	15	16	58	△ ♀ ♀.	23
25	d	Chrysoch. M.	13	2	9	8	26	22	27	16	1	III 9	☾ cum ☽	24
26	e	Evaristus, P.	14	2	36	8	26	23	28	18	15	27	☾ Perig.co	25
27	f	22 p. Trin.	15	3	5	8	26	23	29	1	25	50	for the	26
28	g	Sum 2	16	3	34	8	26	24	29	21	14	= 16	season.	27
29	a	Elfeda V. A.	17	4	3	8	26	25	=	23	28	40	Stormy.	28
30	b	Agelnoth. B.	18	4	35	8	26	26	1	24	12	m 51	* ♀ ♀ ♂	29
31	c	S. Boilan. B.	19	5	11	8	26	26	2	26	26	45	♂ ♀ ♂.	30

October, 1700

D.	8
1	2
6	2
11	2
16	1
21	1
26	1

New Moon, ● 1 day, at 10 morning.
 First Quarter, ☾ 8 day, at 6 Evening.
 Full Moon, ● 16 day, at 9 at Night.
 Last Quarter, ☾ 23 day, at 1 morning.
 New Moon, ● 30 day, at 10 at Night.
 Great Tides, but (we hope) a good Seed-time.

Lunar Aspects

Observations.

Roman Account.
 English Account.

☉	h	♂	♀	♂	♀
1	12	♂	□		
2	13	Δ	5	*	*
3	14		9	*	1
4	15		□	8	
5	16	*	11		13
6	17	15	*	♂	18
7	18	19		19	Δ
8	19	□	♂		1
9	20	6	1		12
10	21				Δ
11	22	Δ	♂		11
12	23	1	19	*	♂
13	24			*	4
14	25		4	□	9
15	26		□	19	
16	27	♂	*	15	♂
17	28	9	15	Δ	Δ
18	29	2	23	6	14
19	30	22		□	
20	31			23	
21	1	Δ	Δ	♂	Δ
22	2	5	3	♂	23
23	3	□		9	*
24	4	13			7
25	5	*	♂		18
26	6	20	10	Δ	Δ
27	7			17	12
28	8			□	21
29	9	Δ	20	17	3
30	10	♂	5	*	♂
31	11	□	*	23	*

—Thus hath the bright and radiant Planet *Venus* been Eclips'd by *Mercury*. And both of them have been observ'd at several times to Eclipse the *Sun*, (according to their magnitude) making an Appearance of black spots in his glorious body: The which was nothing but their Natural Bodies being then void of Light, and casting their blacker Shadows toward our Earth. Which, if there had been any transparency, diaphaneity, or corporal purity in them, they could never have done; being objected so near unto so great a Light, and of such wonderful penetration.

—Upon the 9th day, Aug. 1665, by reason of the Pestilence then raging in the City of London, the Parliament assembled at Oxford. —To which place also the Court was Adjourn'd.

November hath XXX Days.

Valiant Saint **ANDREW** leaveth every thing,
To follow his Redeemer, Lord, and King,
As first of all the **TWELVE**! Then bringeth he,
His BROTHER **PETER** to Felicity.
And, as at first he bravely bore the Loss
Of's **NETS**! at last most humbly *kiss'd* the **CROSS**.

M.D.	W.D.	Saints days, etc.	☉	☽	☿	♂	♀	♂	♀	☽	☿	♂	♀	Mutual Af- fects, &c.	C.A.
			d.	r.	h.	h.	h.	h.	h.	d.	m.	d.	m.		
1	d	All Saints.	20	5	48	8	27	27	3	27	10	17	17	* ♂ ♀	2
2	e	All Souls.	21	6	24	8	27	28	4	29	23	25	25	Moist	3
3	☉	23 p. Trin.	22	7	2	8	27	29	5	1	6	10	10	but mild	4
4	☿	Agricola, M.	23	7	42	8	27	29	7	2	18	33	33	Air.	5
5	a	Powder-Plot	24	8	29	8	28	☿	8	3	0	☿	38	Apt to be	6
6	b	Severus, B.	25	9	16	8	28	1	9	5	12	30	30	Stormy.	7
7	c	Willibrod. B.	26	9	50	8	28	2	10	6	24	18	18	☽ cum ☿.	8
8	d	Claud. &c. M.	27	10	36	8	28	2	11	8	6	☿	6	☐ h. ☽.	9
9	e	Theodor. M.	28	11	24	8	28	3	12	9	17	54	54	* ☉ ☿.	10
10	☉	24 p. Trin.	29	12	14	8	28	4	13	11	29	55	55	☽ Apogao.	11
11	☿	S. Martin B.	1	13	5	8	29	5	14	12	12	11	11	Winds	12
12	a	S. Martin. P.	1	13	58	8	29	5	15	14	24	43	43	and Rain,	13
13	b	Dabritius, B.	2	14	54	8	29	6	16	15	7	☽	35	Sometime	14
14	c	Laurentius, B.	3	15	52	8	29	7	17	17	20	45	45	* ♀ ♀.	15
15	d	Machutus, B.	4	16	51	8	29	8	18	18	4	☿	13	Frosts.	16
16	e	Ormarus, B.	5	17	50	8	29	8	19	20	17	55	55	More	17
17	☉	25 p. Trin.	6	18	49	8	☿	5	20	21	1	☽	47	wet	18
18	☿	Fulco, Conf.	7	19	50	8	0	10	22	23	15	45	45	follow'd	19
19	a	Pontian. M.	8	20	51	8	0	11	23	24	29	45	45	☐ ☉ h.	20
20	b	Edmond. K.	9	21	53	8	0	11	24	26	13	48	48	by Frosts.	21
21	c	Obler. V. M.	10	22	57	8	0	12	25	27	27	55	55	☽ cum ☽.	22
22	d	Cecilia, V.M.	11	24	2	8	1	13	26	29	11	☿	56	Cloudy,	23
23	e	Clement. P.	12	25	7	8	1	14	27	☿	26	56	56	☽ Perigao	24
24	☉	26 p. Trin.	13	26	14	8	1	14	28	19	☿	58	58	windy	25
25	☿	Catheri. V.M.	14	27	21	8	1	15	29	3	24	0	0	at this	26
26	a	Egbertus, Ab.	15	28	29	8	1	16	☿	4	7	☿	55	time.	27
27	b	S. Oda, Virg.	16	29	36	8	2	17	2	6	21	40	40	☐ ☿ ☽.	28
28	c	Term ends	17	30	47	8	2	18	3	7	5	12	12	* ☉ ☽.	29
29	d	St. Andrew	18	31	57	9	2	18	4	8	18	26	26	* h. ☽.	30
30	e		19	33	8	9	2	19	5	9	1	☿	26		1

November, 1700.

D. M.
1 1
6 0
11 0
16 6
21 9
26 29

First Quarter, ☾ 7 day, at 3 afternoon.
Full Moon, ☾ 15 day, at noon.
Last Quarter, ☾ 22 day, at 9 morning.
New Moon, ● 29 day, at Noon.

Generally Temperate; but not without some Storms.

Lunar Aspects.

Observations.

English Account.
Roman Account.

☾	♂	♀	♂	♀	♀
1	12	☐			
2	13			☐	
3	14	*		22	
4	15	*	♂	♂	
5	16	9	17	22	Δ *
6	17			14	5
7	18	☐			
8	19	3	♂		☐
9	20	Δ	3	*	3
10	21	22	20	*	
11	22			7	♂ Δ
12	23		☐	☐	3 0
13	24	*	7	21	
14	25		1	Δ	
15	26	♂	☐	15	Δ
16	27	c	7	6	Δ ♂
17	28	Δ		2	4
18	29	10	♂	☐	
19	30	Δ		23	♂ 10
20	1	15		18	* Δ
21	2	☐	♂	17	21
22	3	21	16		
23	4		Δ		☐
24	5	*	10	Δ	6
25	6	5	☐	7	♂ *
26	7	Δ	12	☐	10 16
27	8	c	*	13	
28	9	☐	17	*	
29	10	♂	c	23	
30	11	0	*		* ♂

—And for my own part, (saith he)
Anno 1601, October 26. I observ'd the
first Star of the four in the left Wing of
the *Virgin*, quite covered and eclipsed
from my sight, by the interposition of
Venus going between me and the said
Star; and yet her North Latitude ex-
ceeded that of the Stars, 30 minutes,
or half a degree. Which was no small
Argument of great Parallax in *Venus*;
and consequently that she is nearer the
Earth, than hitherto has been imagin'd.
—But that every Man may the better
conceive the Planets great Opacity, In-
diaphaneity, &c.—

On the 14th day of this Month, Anno
1638, the most Illustrious Princess
KATHARINE Infanta of Portugal,
our Gracious Queen Dowager, was born.
—Whom we humbly pray Heaven long
to preserve.

December has XXXI Days

Stout *STEVEN's* now the *Proto-Martyr* made :
He's violently *Seiz'd* (by those *Betray'd*
His Heavenly *MASTER*.) and most barbarously
Pelted with *Stones*, until the *bless'd Saint* dye :
Who *gasping* said, (Their *black Souls* to enlarge.)
Lord ! lay not this my *DEATH* unto *their Charge*.

M.D.	W.D.	Saints days	d.	f	h	v	m	♂	♀	☿	D.	W.	M.	Mutual Aff.	V.A.
1	a	Advenc. S.	20	34	19	9	2	20	6	11	14	VP	5	Cloudy	2
2	b	Bibiana, V.	21	35	32	9	3	21	7	12	25	24		Lowring,	3
3	a	Xaverius, C.	22	36	45	9	3	21	8	13	8	31	Δ h x.		4
4	b	S-Barba. V.	23	38	1	9	3	22	10	14	20	24	D cum eg.		5
5	c	Eantleda, Qu.	24	39	15	9	3	23	11	14	2	XI	11 moist.		6
6	d	Nicholaus, C.	25	40	30	9	3	24	12	15	13	58	D Apog.co		7
7	e	Ambr. B. D.	26	41	46	9	4	24	13	16	25	51	Pleasant		8
8	a	Advenc. S.	27	43	2	9	4	25	14	16	7	V	51 gentle		9
9	b	Joachim. M.	28	44	18	9	4	26	15	17	20	6	Frosts.		10
10	c	Milriades, B.	29	45	34	9	4	27	17	17	2	42	* ♀ ♀.		11
11	d	Damasus. P.	VP	46	51	9	4	27	18	R	15	38	Winds		12
12	e	Elfreda, V.	1	48	7	9	5	28	19	17	28	58	stirring,		13
13	a	S. Lucia, V.	2	49	23	9	5	29	20	18	12	II	42 bring		14
14	b	Mimbor. Ab.	3	50	39	9	5	X	21	16	26	42	Rain,		15
15	c	Advenc. S.	4	51	56	10	5	0	22	15	10	D	56 but not		16
16	d	Colmanus, M.	5	53	12	10	6	1	24	14	25	20	violent.		17
17	e	S.Tetta, V.A.	6	54	28	10	6	2	25	13	9	A	49 Temperate		18
18	a	Ember-week	7	55	48	10	6	3	26	12	24	17	D cum R.		19
19	b	Nemchius, M.	8	57	2	10	6	4	27	11	8	36	♂ ☉ ♀.		20
20	c	Ember-day.	9	58	19	10	6	4	28	9	22	47	* ○ h.		21
21	d	S. Thomas.	10	59	36	10	7	5	↑	8	6	49	* h ♀.)		22
22	e	Sund. Adv.	12	0	54	10	7	6	1	7	20	38	* ♂ ♀.		23
23	a	Juthwara, V.	13	2	11	10	7	7	2	5	4	m	12 for the		24
24	b	Fast.	14	3	28	10	7	7	3	4	17	49	season.		25
25	c	Christmas.	15	4	43	10	8	8	4	3	I	7	8 Cloudy,		26
26	d	S. Steven. M.	16	6	0	10	8	9	6	3	14	18	windy,		27
27	e	S. John. Evn.	17	7	15	10	8	10	7	2	27	11	apt to		28
28	a	S. Innocent.	18	8	31	11	8	10	8	1	9	VP	51 * ♀ ♀.		29
29	b	Tho. Cantua.	19	9	46	11	9	11	9	1	22	17	♂ h ♂.		30
30	c	Radolph. Ab.	20	11	1	11	9	12	10	1	4	31	□ h ♀.		31
31	d	Silvester, P.	21	12	15	11	9	13	12	1	16	33	Sn.or fleet		32

December, 1700.

D. 6
1
6
11
16
21
26

First Quarter, ☾ 7 day, at 11 morning.
Full Moon, ● 15 day, at 2 morning.
Last Quarter, ☾ 21 day, at 7 Evening.
New Moon, ● 29 day, at 5 morning.

h. M. ☽ may be seen in clear Nights, S. W.

English Account.

Roman Account.

Lunar Aspects.

Observations.

English Account.	Roman Account.	☉	☿	♂	♀	♂	♀
1	13	*					♂
2	14		♂			□	
3	15		12		23		
4	16	*		♂		△	
5	17	♂			5		
6	18	□	13		18	*	
7	19	23	*			2	
8	20		15			□	
9	21	△		*		17	
10	22	18	*	□	12		
11	23		12	3	♂	△	
12	24		□	△	23	5	3
13	25		19	11			
14	26	♂	△		△		
15	27	14	22		6	△	♂
16	28		♂		21	7	
17	29		17				
18	30		♂		♂	□	
19	31	△	♂		14	2	△
20		♂	△		*	2	
21		□	22		9	□	
22		7				♂	
23	3	*	△	□	△	*	
24	4	15	♂	4	3	♂	
25	5		□	*	♂		
26	6		16	11	12	3	
27	7					♂	
28	8	♂	*		*	8	
29	9		17	1	♂		
30	10		♂		*		
31	11			8	12		

—Let him consider what bodies even under his senses are-transparent, or admit Light to penetrate them, and he shall find such to be glassy, and watry bodies : as Ice congeal'd, Christalline compositions, and most sorts of precious Stones, the Water and Air themselves. And so consequently all pure and simple Bodies. And the more pure, the more diaphanous ; the more gross, the less transparent. And, consequently, the Earth it self, and all bodies of like impure compaction do admit no vision of Light thorow them. —If then, the more pure the body is, the more diaphanous ; and the more impure and gross, the less transparent : And that the bodies of all the Planets be most indiaphanous ; it followeth, that they are most impure, and gross, even as gross as the Earth we tread on ; and therefore naturally dark, opacous, and void of Light.

I shall (God permitting) pursue this Theme in my next Years DIARY, if other more useful matter do not offer it self.

This Year will conclude with a day, but not a very cold Christmas.

Soli Deo Gloria.
Fear God, and Honour the King.
—Do unto all men, as thou wouldst be done unto.

**THE GOVERNMENT of the MOON over
the Body of Man, as she passeth the twelve
ZODIACAL CONSTELLATIONS.**



**A DYSTICH on the twelve Signs, and on their
several Significations.**

V. 8. II. 5. 9. III. 2.
Head, Throat, Arms, Brest, Heart, Belly, Reins do greet;
m. I. VI. 4. X.
The Secrets, Thighs, Knees, Legs, and th' Active Feet.

The Characters of the Seven Planets.

♄ Saturn.	☉ The Sun.	☾ Luna.
♃ Jupiter.	♀ Venus.	♉ Dragons Head.
♂ Mars.	☿ Mercury.	♏ Dragons Tayl.

The Characters of the Five Aspects.

♄ Conjunction.	} ☿ Opposition.	{ △ Trine.
* Sextile.		{ □ Quartile.

*When I consider the Heavens, the works of Thy Fingers, the Sun,
Moon, and Stars, which Thou hast ordained; what is Man that Thou
art mindful of him! Psalm 8. ver. 3, 4.*

Some brief Observations on the Year of our
Lord 1700.

By JOHN GADBURY, Student in Astrology.

Quod felix sansturnque sit.

IN my last Year's Diary I acquainted you how difficult a Task it was to obtain a Solar Ingress truly; and therefore proposed to you the use of the *Animodar*, or *Trutina* for your better Relief therein; the which I think fit to follow this Year; taking the *Animodar* of *Ptolemy* for my Assistance. Thus having recourse to the *Plenilunium* preceeding the Sun's Ingress into γ *Aries* this Year 1700, I find that \odot *Mercury* is Lord of the *Animodar*; and his Place being duly consider'd and compar'd with the *Effeminate Scheme* of the *Ingress*, confirms our *Vernal* time to be nearly true; and therein pleads strongly for the probable Verity of the *British Tables*: (I say not for their positive Certainty) from whence the following *Vernal Scheme* is obtained.



It is none of my Intention to treat Astrologically on this *Vernal Figure*, though it be a very Illustrious One, and carries a more than common Glory and Pleasure in it; and is so very inviting to an *Astrological* Consideration and Scanning, that I can hardly, tho' I must forbear. It contents me to insert the Scheme thereof for the Satisfaction and Use of those that are curiously inclin'd to such delightful, and (sometimes) insatuating Speculations.

And, since the *Cardinal Points* of Heaven are of the greatest and most remarkable Consideration in all Humane or Mundane Matters, I shall hereunto subjoin the Time when the Sun makes his Entrance into the other three *Cardinal Points* in this Year 1700, which please to take as follows:

			D. H. M. S.				
☉ enters	{ ♈ VS	} on	June	10	2	20 19	} P. M.
			September	11	17	36 54	
			December	10	3	39 37	

All ingenious Gentlemen inclin'd to *Astrology* may set the several Schemes of these *Cardinal Ingresses* at their Pleasure for their Conveniency or Curiosity. 'Tis easily done, by the *Domifying Tables* in any expired *Ephemeris* for the same Latitude: And so I come to speak—

Of the Eclipses which will happen in 1700,

THIS Year 1700, will afford us four *Luminarian Eclipses*, viz. Two of the Sun and Two of the Moon: But one of them only will be visible to us in England, &c. And that will be a Total and Central Eclipse of the Moon: Of which more will be said presently. These Eclipses will be made in the following Order.

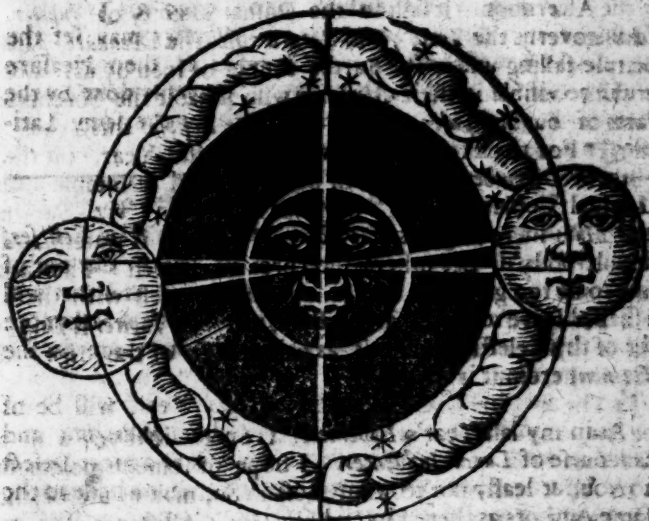
I. The first Eclipse that will happen this Year, will be of the Sun, on February the 8th day, near our *Midnight*; and therefore must be invisible as to us. It will be a great Defect in its self; and may be seen by such as inhabit a little to the Northward of our *Antipodes*.

II. The Second will be a *Lunar Defect*, on the 23d day of February, about six or seven a-clock in the Morning. It will be a Total and almost a Central Eclipse; a great part whereof will be visible to us, and in the *West Angle*, if the Air be favourable. 'Tis very well worth the Pains of the Learned *Astronomer* to observe. The Calculation thereof follows.

Observations on the Year 1700.

	D.	H.	M.	S.		D.	H.	M.	S.
Mid time \odot Feb. 22	19	13	0		Digits eclipsed	6	26	11	51
\odot in \times in in	14	52	44		Scr. of Incidence	1	11	30	
Anoma. \odot Sun,	8	7	43	20	Time of Incidence	1	47	30	
ly of \odot Moon,	7	11	20	26	Total Duration	1	35	9	
Lat. \odot N. A.	59	57			Scr. Inc. tot. Darkn.	37	39		
Reduct. \odot Sub.	15				Time inc. tot. Darkn.	48	37		
Hor. rise \odot Feb. 22	19	14			Diff. of true \odot and gr. Darkn.	34			
Time of Reduct. add	26				Begin. Feb. 22	17	17	20	
Correct \odot Feb. 22	19	12	26		Begin. tot. Darkn.	28	14	29	
Equar. of Time, sub.	8	36			Gr. Obscurat.	19	3	56	
Apparent \odot Feb. 22	19	4	50		True \odot	19	4	50	
Semidi. \odot Moon,	16	47			End of tot. Darkn.	19	53	17	
Sum of Semidiameters,	1	1	42		End of the Bel.	20	52	20	
Scruples deficient,	56	29			Lat. of the Beg. S. A.	20	20		
					Moon, End, N. A.	20	55		

Behold the Type thereof.



This Lunar Defect is celebrated in the House and Exaltation of \odot Mercury; U Jupiter governs the Term and \odot Venus the Decanate. Eclipses may be Signs of Mundana Accidents, as the Loss of Rain; which is therefore called *Inbrifer*, or the Shower-bringing Bow; but can be no Causes of the many more than of the Night: both coming to pass from the like grounds in nature: Namely, the Moon's Eclipse is occasion'd by the

Earth coming between the *Sun* and *Moon*. And the Night is occasioned by the *Sun* leaving our *Hemisphere*, and visiting our *Antipodes*; or, more plainly, by the *Earth's* interposing between the *Sun* and our Sight; the which she doth every 24 Hours *gradatim*, making longer or shorter Shadow to us that dwell thereon.

III. The Third will be a small *Solar Deliquium*, upon the 3d day of *August*, near to our 5 a-clock in the Afternoon. It is made in 21 Degrees, 37 Minutes of the *Regal Sign* ♌, or the *Celestial Lion*; the Domal Dignity of the *Sun*. *Jupiter* rules the Term, and *Mars* the Decanate. It will be visible to the Southern Parts of the World, but not at all to us: The *Moon's* Latitude is South.

IV. The Fourth and last Eclipse of this Year will be a great *Lunar Eclipse* in 5 Degrees, 36 Minutes of ♋, or the *Celestial Fishes*, on *August* the 18th day, at our one of the clock in the Afternoon. It falls in the Domal Dignity of *Jupiter*. *Venus* governs the Term; and *Saturn* rules the Decanate. This Eclipse falling under the *Earth*, cannot be seen by us: But it will be visible in their *Meridian* who inhabit the Southern Parts of our *Antipodes*. Thus much for Eclipses this Year.

✎ For to close my Observations of the Year, on the 28th of *December* there will be celebrated a Notable and Unusual Conjunction of the two *Infortunies*, viz. *Saturn* and *Mars* in 10 degrees of *Pisces*. The Sign is watery and double-body'd. Let others interpret its Effects: They are like to be too great for me to concern my self with them. I shall observe to you, that the Benign Planet *Jupiter* is Disposer of this Celestial Congress, as being Lord of the Sign and Term wherein it is made.

As in my last Year's *Ephemeris* I entertain'd you with a Discourse of *Lunar Influences*, I hope of some Epolument to you, at least, not to your Loss: So, making use of the same Authors as then, I intend (by God's Assistance) to acquaint you in this Year with some choice and uncommon Observations touching *Solar Energy*: For 'tis the *Sun* that is the Equal Pendulum of the Celestial Clock-Work; and all the other various Wheels and Movements therein do orderly derive from Him.

Something touching Solar Energy.

S. 1. The Ancient Poets, Philosophers and Historians have called the Sun by sundry Names, viz. *Apollo, Phoebus, Sol, Titius, Ophris, Paon, &c.* agreeable to his diverse Offices and Dignities: Of whose several Erymologies it is none of my intended Business in this place to give you Information.

S. 2. The Sun is a Glorious Body, of an Immense Power in all the Operations of Nature; and (as Sacred Writ doth evidence) *He, like a Mighty Giant, runneth his appointed Race;* setting forth from the East, and finishing his Diurnal Circuit in the West. Divers Opinions have risen among Philosophers touching the Nature of the Sun; too many, and too large for me in this Place to transcribe, or give you an Account of.

S. 3. He is a Body so full of Wonder and Glory, that many of the best Learned have scrupled to call him a Planet. He is indeed the King of Stars and Planets; the Eye, the Heart, and Centre of the World. Some have thought him not undeserving to be stiled the *Visible Deity*. And as such, in divers Parts of the World, (viz. before the Light and Power of Christianity had prevailed, and dispell'd the Mists of *Heathen Ignorance*) was by whole Nations, &c. worshipped.

S. 4. *Nihil sine Deo & Sole*. There is nothing in All Nature's Province, that can pretend to Perfection or Being, without God and the Sun. He (the Sun) is the Life and Soul of every Vivant Thing. It is by him so many Glorious Lamps of Heaven shine, and impart their Light to the Lower Hemisphere. By his Energy the Elements are distinguish'd and subsist. The several Winds blow by his Power; and by it all Plants and Vegetables flourish.

S. 5. All Sensitives do owe, and stand indebted to the Sun for their Motion and Growth. And, what is to be greatly admired at, by Solar Power it is Day in one part of the Earth, and Night in another at the same Instant of Time. At the very approaching of the Sun's Beams all Shadows fly, and the Black-fair Night becomes a Glorious Day.

S. 6. As the several Planets in their Order do salute the Sun for their King, He, as configur'd, ordains Fire and Hail, stormy Weather, Thunder, Lightning, Storms, Hail, Mists, Frogs, Rains, and all manner of *Meteorological Varieties*; A

Speculation so delightful and profitable, that the Ancient Romans appointed *Hail-Scouts* (as they then were called) and allowed them Salaries; as is witnessed by the Noble *Seneca*.

§. 7. 'Tis the *Sun*, as accompanied with his *Satellites*, &c. that ploughs up the dangerous Furrows in the Ocean. 'Tis He that creates monstrous Currents, Hurricanes, Trade-Winds, Tuffons, contrary Tydes, and the like; and sometimes again He becalms the unwearied and adventurous Seaman.

§. 8. The *Radiant Sun* is the only mundane Artificer, and imparts to Mankind his curious Skill in a million of delectable Arts. He adorns the Fields and Meadows with a Multitude of pleasing Varieties, beyond the Power of *Titian* or *Vandike* to equal. He colours the Clouds with a delicate Azure; and cloaths the Mountains in a glorious Golden Livery.

§. 9. All sorts of Creatures rejoice, and are refresh'd with the Light and Influence of the *Sun*. The Leaves and Flowers of Vegetables, which the dull and melancholy Night had clos'd, do pleasantly open and display themselves at the Appearance of *Apollo*: And every thing without Demur, pays Adoration to the *Rising Sun*.

§. 10. Your Hot and Scorching Summers, Long, Sharp and Biting Winters; The Returns of great Rains, deep Snows, nipping Frosts, Droughts, Thunders, &c. have their chief dependance upon the *Sun*, as he happens to be configurated, or otherwise concerned with the other *Planetary Bodies*.

§. 11. Also Great Mundane Accidents, as Wars, Plagues, Invasions, Inundations, healthy or sickly Years, Plenty or Scarcity: The Rise and Fall of Empires, Monarchies, Sects, Heresies, &c. They are all (in respect of second Causes) effected by the *Sun*, as He is related by \odot or Aspect to the other Stars, in the performing his Diurnal and Annual Rotations.

§. 12. As the *Sun* is assisted or oppressed in the Equinoctial Signs, the Pulse of the *Macrocosm* beats accordingly, either to Pleasure or Pain. And, by the *Sun's* Access to Cardinal Signs, the Grand Annual Seasons are distinguished.

Something touching Solar Energy.

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S. 13. Eclipses of the *Sun* in *Aries* or *Libra* (the *Cardines*, or Hinges of the World) are remark'd by the Ancient Astrologers for the (rarely-failing) Antecedents of War, Pestilence, Tumults, Popular Fury, Seditions, Rebellions, &c. And, in all Stellary Judgments the Artist is strictly enjoind, not to omit or neglect the Significations of the *Sun*.

S. 14. Divinity teacheth us, that the *Sun* is a great Minister, the Light and Life of the Natural World. He is the happy Distinguisher of Climes and Countries.— All the Year would be a black and dismal Winter, and every of Nature's Productions would turn to its Original *Chaos* again, were it not for the *Sun's* cherishing Light and Influence.

S. 15. The Land would be as Flint, viz. Barren and Un capable of Generation and Production. The *Fluxile* Sea would appear a Mountain of Ice: The Blood and Animal Spirits in Humane Body would cease its Circulation: And Poor Man, would remain a meer Lump of Inactive Clay, as at his first Creation, were it not for the comforting and vivifying Power of the *Sun*.

S. 16. Among a Multitude of Stars God hath commanded the *Sun* to appear, and (as to Vulgar Vision) to run an External Race in his Great *Olympicks*. The *Ecliptick* is his constant Way or Path, from the which He never recedes. He is no *Latitudinarian*.

S. 17. God gave the *Sun* his Royal Commission, the which He most faithfully and justly executes, by penetrating and invigorating all things. There is nothing in the whole Universe that is hid from His Heat or Influence. He dissolves Fogs and Frosts, exhales Dews, scatters Mists, and dissipates the darkest and thickest Clouds.

S. 18. The stubborn Clay is calcin'd by the *Sun's* Heat: And all the Earth basketh in his Light. Like a skilful *Chymist*, he draweth the Waters as through an Alembick, and gageth the Depth with his Beam. He decircumscribeth the *Isis* with his curious Pencil, and imprints his lovely Image on the Roscid Cloud.

S. 19. The Currents of the Seas observe his *Telubas*, and flock all to the Place of his Residence. Where the *Real Sun* keeps His Court, there is always the greatest Conflux; and the very Stream makes haste to kiss his Princely Feet.

S. 20. The Sun, by his Vertical Strength raises mighty Thunders, and gives Fire to the Priming of the Clouds. He rouseth Zephyrus, (or the West Wind) out of its Den, which yields a gentle Breeze in the Summer Morning; and kindly fanns and refreshes the Painful Husbandman in the Cool of the Evening.

S. 21. It is the Potent Sun that banisheth the most sharp and tedious Frost; and by the Power of his mighty Spell confineth it to the Ends of the Earth. He melreth the deepest Snows, and the Vapours of the Night fly before Him.

S. 22. At the Sun's advancing Dame *Vesta* widely expands her choicest Warehouse: And the humble Flowers of the Fields and Gardens open themselves most willingly for His delightful and ravishing Entertainment. Each Creature proclaims his Satisfaction in the Presence of the Sun.

S. 23. The Birds of the Air, (whose curious warbling Choristers) observe His Night-Watches; and most delightfully chaunt their *Reveille* to the Souls of the Night. They flock after the Sun, as Clients to their Counsellor, and retreat dishonourably at his Retirement. And every Creature more or less doth mourn at the Absence of the Radiant Sun.

S. 24. The very Life of Animals subsist by Solar Energy. Nay, of our *Immortal Spirits* the Sun (saith a Learned Theologue) is the Union. So illustrious, so Glorious and Powerful a Body is the Sun, — That all which the Poets and Philosophers have sung or spoke in His Praise, is too little for his daily Merit.

S. 25. But tho' the Sun does as fully as justly inherit all the before-mentioned great Royalties and Privileges, and is deservedly owned the Chief Regent (*sub Deo*) over all the various Works of Nature; yet by Philosophers He is only esteemed as the Spring of the Celestial Clock-work (as was before-hinted;) and without Him nothing there.

therein (indeed) can move: And all of them allow, that the Greater and Lesser Wheels of the Watch do perform their distinct Offices also; but still in Obedience to Him.

S. 26. For if the Sun were the alone and absolute Cause of all mundane Variety, then would the several Seasons of each different Year be alike: And we should never know such Distinctions as backward or forward Springs, or hot scorching Summers; tedious sharp Winters from common and temperate Seasons.

S. 27. It follows therefore most plainly, that the Sun, (though the most Noble and Perfect Body in the Fabric of Nature) for his better going on with the wonderful Work unto which he is appointed, requires the Assistance of his Fellow, (or rather Inferiour) Celestials, as well for the constituting the several Seasons of the Year, as for the perfecting of all other Matters.

S. 28. 'Tis an allow'd Axiom on all Hands, *Sol & Homo generant Huminem*: Not the Sun alone, nor Man alone, but the Sun and Man together, beget Man: The Sun, as the Fountain of Vital Power, invigorating the *Semen* or *Generative Principle* in Man; is the common Cause of his Production, Man the Instrumental.

S. 29. Now, it is universally known, that the Seasons of the Year are differing from each other in proportion of Light and Warmth; and the Sun is allow'd the sole and absolute Cause of the former, though He be not so of the latter. He is confess'd to be a light all-sufficient, but not so of Heat.

S. 30. A Candle or Taper kindled will illuminate a large Room; but it will not warm it. Howbeit, the Sun is justly esteem'd as the principal, though not the sole Dispenser of Heat. The General of an Army carries the Glory of the Battle; but the Valiant Soldiers under his Authority help to win it. Other Planets and Stars do disperse Heat as well as the Sun, though not so much.

S. 31. The Approach and Exaltation of the Sun encourages the Warmth of the Spring, and adds Heat to the Summer Season: But yet neither Days nor Months do

always increase, stand or remit their Warmth in proportion to the Solar Access or Recess to or from the Solstice.

§. 32. It is Notorious, even to the highest Pitch of Demonstration, that the *Æstival* or *Summer Heat* ever increases as the *Sun* declines: For it is most manifest, that the Month of *July* and a part of *August* are usually more hot and sultry than is the *Solstitial Month* of *June*.

§. 33. 'Tis eminently known, that the Heats of *July* and *August* do receive their intense Degree from the Proportion of the Pre-existent Warmth. But then 'tis also known, that the Heats of *July* and *August* have been found as intense when the preceding Tropick Month of *June* hath been contrary affected.

§. 34. Every Observing Man, (though but for seven Years space) is able to furnish the World with Instances of an *April*, *May* or *June*, which have prov'd cold beyond (common) Expectation, when they have comfortably reliev'd themselves with the Hopes that the two succeeding Months of *July* and *August* would answer their VVishes and make 'em amends.

§. 35. Let me further observe to you, that this Doctrine holds not true in *July* alone: — For, the End of *March* may afford more VVarmth than *April*; and *April* may prove less cold than *May*; *November* warmer than *October*, *January* more cold than *December*, *March* more cold than *February*.

§. 36. It were no hard matter to give sundry Instances of these Truths; (But the *Diary* of the VVeather for 21 Years, printed at the End of my *Astrological Seaman*, will sufficiently furnish the Intelligent Readers:) The Consequence therefore is firm, viz. That the *Sun* (which though for ought we know may be) a Body of Fire, is not the alone and sole Dispenser of Warmth.

§. 37. If the *Sun* alone were the Cause of all the Airs various Mutations, then would every fourth Year bring about the same Revolution of VVinds and VVeather in all respects; the *Sun* being then return'd to the same Place as in the first Year. But we know no such Revolution ever happens.

§. 38. Some Learned Men are pleased to object, — That the Returns of the VWeather being fixed and determined, it is but reasonable, that the Fix'd Cause be assign'd the Author of that Determination : But the *Sun*, and nothing else is the determinate Cause thereof : He must therefore be the Entire and Adequate Cause also.

§. 39. The Objection is thus answer'd : — If all the Stars in Heaven should conspire with the *Sun* in the Production or Procurement of one Tempest, they could indeed cause no time but what the *Sun* should determine : So that without Injury to Truth, the *Sun* may justly be concluded the Determinate Cause thereof.

§. 40. But, it is not consequential, that therefore he is the Adequate Cause also, the *Sun* bearing two distinct Offices or Places, viz. *Physical* and *Chronological* ; in the first whereof He helps to produce an Effect ; and in the second He circumstantiates the Production.

§. 41. But, to deal plainly, though the *Sun* and *Moon* both are most Eminent and Active Bodies, yet cannot the Various Changes of the Air be wholly refer'd to either of them, for some Reasons already mentioned. And, yet the Appulses of the *Moon* to the *Sun* and *Tropicks* are not without Effect.

§. 42. Had these ravishing *Lucidaries*, the *Sun* and *Moon*, been the alone Causes, the Mystery would have been discovered in more than Two Thousand Years Observations, seeing their Motions are so conspicuous. But no Man hath pretended to find any *Specialties* therein, excepting in three or four Days in a Month ; and these too of very uncertain Signification.

§. 43. For the *Moon*, we know she is only a Reflexion, and Reflexions are tied to Laws ; but no Constitution of the Air is bound to those Reflexions. The VWeather returns in such a Month, when there is neither the same *Phases* of the *Moon*, nor yet an Equivalent to be met with.

§. 44. Now, if the *Sun* and *Moon* were the compleat Causes of the Air's Mutability, then every nineteen Years Revolution would certainly produce the same State of VWeather : And we might be able to say what would be the

the Face of Heaven to morrow from a 19 Years Observation only.

§. 45. It is well known that the same State of VWeather lasts a VWeek, a Month, sometimes much longer; whereas the Moon changeth her Phases every twenty four Hours; and in little more than two Days runs a Twelfth Part of her Circle; and in a Month shifts all her Postures in relation to the Sun.

§. 46. But the VWeather, we know is fickle; and sometimes in two Hours, or a less Quantity of Time, the Heavens shall be mask'd, clear, calm and turbulent, though the Sun and Moon in the said Space do make no very considerable Difference in their Zodiacal Places.

§. 47. Sometimes it has been observ'd to rain and shine by Fits, and with such Variety of Surprise in one Day, that if the Sun and Moon had ran through the whole Twelve Signs of the Zodiack in that Twelve Hours space, the Variety could not possibly have been greater.

§. 48. And if we reflect upon the Violence and Extremity of the VWeather, which very often happens, there must be other Causes consider'd for their Production besides the Sun and Moon, viz. for Heat, sultry, melting, faining Air; for VWind, the Fury of boisterous and tempestuous Blustering, rending up Trees by the Roots, and rocking of the most lofty Towers.

§. 49. Of the Extremity of Heat, the Moon, supposing the Sun never so much, cannot be the Cause; She being only a feeble Reflexion, as was before remembered. And as for the Air that is heated sometimes beyond the Power of a single Reflexion, as if there were some *Antelii*, one or more invisible Suns to assist.

§. 50. 'Tis the common Fash of the Vulgar Man to impute all the Heat of Air to the Sun. And on a sultry Day he will cry, — *The Sun is very hot!* But, before the Sun at that time hath some *Satellites*, some invisible Company or Guards to assist, that (unseen to mortal Eyes) lie behind the Hyacinth Hangings of the Heavens.

§. 51. But now in the Fury of a Tempest the Common People speak more feelingly, saying — *It Rains as if Heaven*

and

and Earth would meet, and blow as if it would rend and tear up all before it: And, rather than they'll refer such Violences to the Sun, Moon and Stars, as proper Causes, they'll conclude the Devil himself rages in the Storm.

§. 52. Let us add hereunto a Word of the Contrariety and State of the Air. The Sun and Moon (tis generally believ'd) may be assign'd some Cause of Warmth: But who assigns a Cause of Cold? The Sun by his different Motions dispenses Summer and Winter; and also distributes Days and Nights.

§. 53. The Night and the Winter both are generally acknowledg'd cold, by reason of the Sun's Absence and Distance. But then whence comes the Summer? or the Day to be cold? Is the Sun the Cause thereof? VVhat! the Cause of Contrarieties? and that also while he is present? Surely not.

§. 54. The Sun cannot be the Cause of Darkness when he is above the Earth; nor yet the Cause of Cold when he is present with us. VVhen a cold Hail-Storm is observed to follow Lightning and Thunder: Dorth either the Sun or the Moon congeal the Hail, or yet kindle the Flash?

§. 55. Dorth the Moon sing'y congeal the Storm? (possibly She may be a Tepid Planet) Or, is it the middle Region, and the *Antiperistasis* dorth it? If so, then it would always hail, and not rzin when it thunders; especially for the hottest Days, the fittest for the *Antiperistasis*.

§. 56. But in case we find the lower Region also chill'd when it Thunders and Hails at *Midsummer*: what is it then encourages this Cold? or, who enlarges its Confines? It is too late to talk of *Reliquia Hyemis*, or Remains of the cold, dull and dirty VVinter at *Midsummer*, or in July.

§. 57. Nor is it just to turn us off with the blind Notion of the Matter: For what is uncertain and confus'd, is casual; and Causality is inconsistent with Science: So inconsistent, that it is not to be pleaded by any Lovers of Learning. And, what shall we say as to the Time, viz. when after a Number of close and muddy Days, the Air clears up at Midnight? VVhat is it removes the black Curtain? 'Tis scarce the Nature of the Night to remove Clouds; Her chill Constitution dorth rather fix and settle 'em. Nor yet hath the Moon such a Power. For, supposing her risen above the Earth,

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the *Sun* is often hard put to it to take a Mist from the Earth, and certainly much more the *Languid Moon*.

§. 58. The like may be said for *Winter*. The Absence or Depression of the *Sun* induceth Cold *Weather*. But then how come *Winters* to be warm? I say, warm, commonly for a Month or more: when the *Daisie*, *Anemone* and *Strawberry* shall blow. The *Moon*, we know, for half of that Time is in *Winter Signs*.

§. 59. Many a Summer passes over our Heads and it Thunders not (at least not with us :) And *Winters* have gone over without much Cold. Can a *Winter Night* be warmer than many in Summer? Can the *Sun* in his lowest Degree, and Absence withal, be more potent than in his Presence and Verticity? There are therefore some *Satellites* as before-said, to be taken notice of; I mean the Five Erratics, *Saturn*, *Jupiter*, *Mars*, *Venus*, *Mercury*, Planets whom the *Heathen* worshipped, as supposing them endu'd with a more than ordinary Influence, both in the Air and otherwise.

§. 60. Now these *Planets* are for half their time invisible as to us, accompanying the *Sun* in his Diurnal Circuit, and also in his Nocturnal: And therefore neither They, nor yet the *Sun* Himself were made for a naked Illumination only; but for other admir'd Uses.

§. 61. If the *Moon* had been made for Illumination only, She would never appear by Day, when there is no need of her Light; Nor would she ever disappear in the Night when her Light is most wanted: 'Tis apparent therefore She hath some other Service to do the *World*. Of part whereof (and who understands it all?) I treated the last Year.

§. 62. No good *Astrologer* will affirm that *Mercury* (a Planet so seldom seen, unless in the more Southern Parts) was made for Illumination only, or principally, to say nothing of the *Satellites*, &c. For, the *World* we inhabit, in that regard, would derive but very small Benefit from Him.

§. 63. If an *Atheist* should accuse Nature of Disorder, and on that account deny an Eternal Providence; and urge in his own Defence the Appearance of the *Moon* by Day, or the obscuring of *Saturn*, *Jupiter*, *Mars*, *Venus*, *Mercury*, and half the Number of the Fix'd Stars, which were made for Lights, — 'twould (saith the Learn'd Goad) to win him, teach him
'this

this most excellent Truth, — That not one Star in Heaven was made for Illumination only; but that all of them were made for Influences, for the Distinctions of Times and Seasons; and also to impart Heat, as well as Light, unto this Lower World.

§. 64. Now, such all the Celestial Bodies are Lucid either of themselves, or by Reflexion, they must have a Warmth more or less; for Light and Heat differ only as to their Measures. They are really and substantially the same Spirit, though formally differing in relation to the Eye and Touch.

§. 65. The Sun is owned to be the Fountain of Light; and the rest of the Planetary Bodies only Reflections. Yet those Reflex Globes, like the Moon, (besides their Magnitude and Nearness to the Earth) may be of such a Figure, that even the Reflexion may receive Heat sufficient for Use.

§. 66. The Sun indeed the Holy Scriptures call a Great Light, but not a Bare and Naked Light; For Experience fully proves, that there is nothing hid from the Heat thereof: And it is well known, That Heat and Light are never barren as to a Third Quality, the which Astrologers call Influence.

§. 67. As the Sun hath his Diurnal and Annual Motion from Tropick to Tropick, so also have the rest of the Planets their Diurnal, Annual, and other Periodical Motions between the same Points; and therefore must have their Heat also.

§. 68. No other Reason can be given why the Sun should move so and so obliquely in the Zodiack, but for the Addition and Subtraction of his Heat. It is very plain therefore that the rest of the Planets being appointed to perform the same Oblique Motion, must have some Influence also to distribute.

✧ I might pursue this fruitful and delightful Theme much further; but having already exceeded my narrow Limits, I forbear, and shall conclude my This Years Discourse with this Humble and Pious Ejaculation, —

— If the Natural Sun be thus Glorious and Powerful in his Effects; and that the Knowledge of his mighty Operations and Significations are earnestly to be coveted by Men as they are Philosophers, Astronomers, &c. How much more is the Knowledge of the Son of Righteousness and Influence of our Blessed Saviour and

Redeemer, to be Thirsted and Panting after by Them, as They are Christians and Heirs of Eternal Salvation?

JOHN GADBURY.

GOD SAVE THE KING.

ADVERTISEMENT.

BY reason of an unhappy Fog, the late *Solar Eclipse* could not be seen with us at *London*; yet where 'twas visible, the greatest Darkness was observ'd to be about 9 h. 20' *A.M.* *Sept. 13. 1699.* agreeing to the *British Tables*, whence are deduc'd my *Ephemerides* for 6^e Years, now ready for the Press. I hear of other Tables preparing for the Publick; and should be pleas'd to see them abroad: Being so far from thinking we have too many *Astronomical Tables* already, that I wish we had more, if but in any thing better. — *The more Candles, the more Light.*

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